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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison — *Member Audit Bureau of Circulations*

THE CHEMICAL MARKET AUTHORITY SINCE 1871

Volume 139
Number 23

Schnell Publishing Company, Inc., Publisher

June 9, 1941

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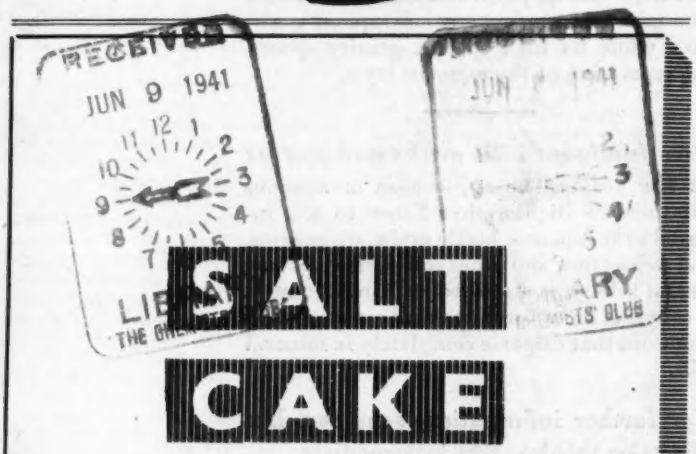

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PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

Oil, Paint and Drug Reporter

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RECEIVED JUN 9 1941 LIBRARY THE CHEMISTS' CLUB

A.Ph.M.A. Meeting To Discuss Defense

The business portion of the annual meeting of the American Pharmaceutical Manufacturers' Association, to be held at the New Ocean house, Swampscott, Mass., during the week of June 23, will be featured by a conference by the association with the Harvard Graduate School of Business Administration, which session will be held June 24 at the school in Cambridge. The conference will deal with national and industry subjects.

Monday, June 23

Morning Session

Reports by Secretary, S. Barksdale Penick, jr.

Treasurer, Frank A. Mallett.

Delegates to National Drug Trade Conference, Harry Noonan, chairman.

Councillor to United States Chamber of Commerce, E. V. Davis.

Membership committee, Floyd K. Thayer, chairman.

Time and place committee, Hussey B. Johnson, chairman.

Entertainment committee, J. A. Huisking, chairman.

Memorial committee, B. L. Maltbie chairman.

Address of the president, B. F. Ascher.

Address, Dr. Theodore G. Klumpp, Chief of Drug Division, Food and Drug Administration, Federal Security Agency.

Discussion of address, including a discussion of section 505 of Federal food, drug and cosmetic act.

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U.S. Opium Output Legalization Asked

OPD Washington Bureau
June 4, 1941

Production of opium poppies would be legalized under the terms of a bill introduced in the senate this week by Senator Charles L. McNary, of Oregon. The measure provides for the Secretary of Agriculture to set up regulations which must be complied with by the producer of poppies in order that he may not be considered a producer of opium, any derivative thereof, or of any other narcotic substance.

Under this bill the Secretary of Agriculture would be directed to prescribe regulations providing that any person who seeds land to opium poppies shall file reports showing the area and location of the land thus seeded, and the producer would be required to make reports under oath with respect to the utilization and disposition of every part of the poppy plants grown.

The bill would also prohibit the collection or extraction from such poppies of any opium, morphine, or other narcotic substance, and the producer would be required to utilize every part of the plants in such a manner as in the opinion of the Secretary would prevent the extraction or collection of narcotic substances therefrom.

Price-Fixing Charged Under Loss Leader Act

New Haven, June 3, 1941

Seven wholesale and retail grocery concerns and their officers, charged with conspiring to fix retail prices in Connecticut under the guise of compliance with the State unfair sales practice act, have pleaded not guilty to an indictment returned by a Federal grand jury, May 23.

Named as defendants were the Connecticut Food Council, Inc., the Great Atlantic & Pacific Tea Company, First National Stores, Inc.; Roberts, Steele & Dolan, Inc., Naugatuck Valley Wholesale Grocery Company, Everybody's Market, Inc., William Shore, Inc., Hartford Market, Inc., and various officers of the corporate de-

—Continued on page 49

Cole Pipeline Bill Is Passed by House

The house today passed and sent to the senate for concurrent action the Cole pipeline bill, designed to facilitate the construction of petroleum pipelines in the interest of national defense. While the measure was under consideration by the house, a provision was added which would require the government to dispose of any pipelines built with Federal funds, or operated by the government under the terms of the measure within a period not to exceed one year after the expiration of the present emergency.

Oil Coordinator Ickes Gets Shortage Data

OPD Washington Bureau
June 5, 1941

Harold L. Ickes, Secretary of the Interior, moved rapidly this week to perfect plans for setting up the Office of Petroleum Coordination as directed in a letter to him from President Roosevelt last week.

Appointment of a Deputy Coordinator, general counsel, and a skeleton staff is expected to be announced early next week. A meeting of conservation officials of oil-producing states has been called for next week.

On Monday the Secretary will meet with representatives of companies operating oil tankers to receive a report on shipping facilities available to supply markets on the Atlantic coast.

On Tuesday of this week the Secretary met with a committee of twenty-four oil men appointed by the American Petroleum Institute to advise the Office of Production Management on petroleum matters.

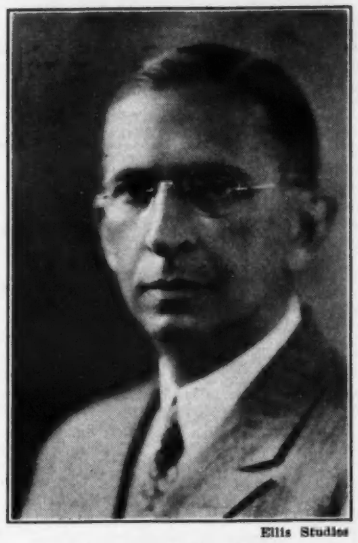
This committee was scheduled to meet with OPM but was taken over by Mr. Ickes as his first action as

—Continued on page 56

M.C.A. Meeting Discusses Chemical Aspects of Defense

Skytop, Pa., June 5, 1941

Chemical aspects of the program of national defense were the topic of the discussion in the business session of the sixty-ninth annual meeting of the Manufacturing Chemists' Association of the United States here today. The discussion ranged over a large field of



Ellis Studios

Lammot du Pont
Re-elected M.C.A. President

raw materials, intermediates, production problems, transportation, and priorities.

In addition to members of the association the topic was discussed by Brigadier General C. T. Harris, jr., assistant to Chief of Ordnance and Chief of Industrial Service, Ordnance Office, United States Army; Lieutenant-Colonel J. P. Harris, of the Ammunition Division, Industrial Service, Ordnance Office; and Major Clifford V. Morgan, of the Materials Division, Army and Navy Munitions Board.

The meeting was opened by President Lammot duPont, who spoke of the progress in national chemical self-sufficiency since the days of the first World War.

Reports for the auditors and the budget committee were presented by Secretary Warren N. Watson.

Special recognition was given Henry Howard for his record of many years' attendance at the meetings of the association.

Officers Re-elected

There was no opposition to the slate presented for the nominating

George W. Merck
Re-elected First Vice-President

committee by Secretary Watson, and the convention unanimously re-elected the retiring officers, as follows:—

President, Lammot duPont, of E. I. duPont de Nemours & Co., Wilmington, Del.

Vice-presidents, George W. Merck, of Merck & Co., Rahway, N. J., and Charles Belknap, of the Monsanto Chemical Company, St. Louis.

Treasurer, J. W. McLaughlin, of the Carbide & Chemicals Corporation, New York.

Executive secretary, Warren N. Wat-

—Continued on page 31

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.

Trade Association Counselor

IX. Recent Consent Decrees Offer Unique Trade Practice Guides to Industry

(Continued from June 2 issue)

Permissible Practices

Nothing in the consent decree limits the right of the National Container Association and its members, to do, or to cooperate in doing, any act, or to engage in any practice, not enjoined by the decree. The practices which are specifically mentioned in the consent decree as being permissible include the following:—

(1) The gathering, auditing, and disseminating of information as to the cost of manufacture, the volume of production and shipment, the actual price which the product has brought in past transactions, stocks of merchandise and materials on hand, approximate cost of transportation, and any other facts pertaining to the condition or operation of the industry, and meeting to discuss such information and statistics without, however, reaching or attempting to reach any agreement or any concerted action with respect to prices or production.

(2) Promoting the application of uniform cost accounting to the manufacturing, estimating, and sales policies and practices of manufacturers.

(3) Compiling, publishing, and circulating, in the form of a currently revised loose-leaf manual, handbook, or otherwise, recommending formulas, methods, systems or procedures, and illustrations thereof, for the computation of selling prices without, however, in any such industry manual or handbook, specifying or recommending the selling price to be charged, the price to be charged for freight or any manufacturing operation or material used in manufacturing, or rate of profit to be included by any manufacturer in the selling price.

(4) Compiling, publishing, and cir-

—Continued on page 50

Export Tolerances Setup By Control Administrator

OPD Washington Bureau
June 5. 1941

Expansion of the export license control system and further restrictions on exports of scarce commodities are anticipated as a result of the President's proclamation of unlimited national emergency. The addition of new commodities to the control list is expected to be announced shortly.

Meanwhile the Administrator of Export Control has issued a pamphlet containing in codified form export control schedules 5, 6, 7, and 8, all previously published in different form, and recent regulations and interpretations.

The Department of Commerce has called the attention of exporters to the fact that the State Department is obliged to reject some 2,000 applications for export licenses every week

—Continued on page 61

Closing Markets

Coconut Oil Active

Coconut oil was active on the Pacific Coast late last week, large sales being reported at 5⅞c. per pound for crude in tankcars, nearby shipment.

Tin Salts Firm

Various tin derivatives held firm late in the week. However, trend of anhydrous tetrachloride displayed irregularity, prices ranging from 27¼c. to 28½c. per pound. Straits metal was quoted at 52⅝c. per pound.

Tallow Lower

Extra tallow sold on Friday at 7¾c. per pound, a decline of ¼c. Transactions were estimated at 2,000,000 pounds. Greases were also ¼c. lower; house, 7¼c. per pound. Trading in tallow futures was discontinued as of June 5.

Bids Wanted

Ammonia, Anhydrous: — 2,500,000 pounds for White Plains, Md.; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7144, opening June 10.

Aqua:—75,000 pounds; U. S. Engineers Office, Washington; serial 193, opening June 10.

Bluing:—Supplies of; Acting Purchasing Officer (Indian Service), Interior Department, Chicago, Ill.; inv. A.E. schedule 1-P, opening June 13.

Brushes:—Supplies of; Commanding Officer, Quartermaster Depot, Jersey City; invitation 626-580, opening June 19.

Fuel Oil:—40,000 barrels; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 1185, opening June 9.

Supplies for Fort Port of Spain, Trinidad; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7298, opening June 12.

140,000 barrels; U. S. Engineer Office, Memphis, Tenn.; P. O. Box 97; invitation 240, opening June 12.

Lead, White:—7,000 pounds; Commanding Officer, San Antonio Arsenal, Tex.; circular 102, opening June 12.

Nitrocellulose:—1,500,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2398, opening June 5.

—Continued on page 46

Biddle Purchasing to End F.T.C. Brokerage Suit

The three-year battle over the Robinson-Patman act, between the Biddle Purchasing Company and the Federal Trade Commission, neared settlement last week, when the company consented to a fine of $500 and to a finding that it was in contempt of court for violation of a previous decree. Only the formal approval of the court is needed to end the case.

Chemical Warfare Service Opens Research Unit

A new development laboratory has been opened by the Chemical Warfare Service at the Massachusetts Institute of Technology, Cambridge, Massachusetts, it was announced today by the War Department. The laboratory will supplement existing research and development facilities of the Chemical Warfare Service, and will be concerned with many problems relating to chemical agents, incendiary bombs and smokes that are, or may become, of importance to the national defense program. Captain J. H. Rothschild will be in charge of the new laboratory.

Price Heads N.Y. Chapter Of Chemists' Institute

Dr. Donald Price, technical director of the organic research laboratory of National Oil Products Company, Harrison, N. J., has been elected chairman of the New York chapter of the American Institute of Chemists for 1941-42. He succeeds Dr. William Howlett Gardner, of Brooklyn Polytechnic Institute.

Dr. Elmore Northey, of the Calco Chemical Company division of American Cyanamid Company was elected vice-chairman, succeeding Prof. W. D. Turner, of Columbia University in that post. Dr. Milton Burton, of New York University, takes over the duties of secretary-treasurer from D. H. Jackson, of Croll-Reynolds Company, this city. Dr. Marston L. Hamlin, of the Barrett Company, has been reelected chapter representative on the National Council. Dr. Joseph J. Mattiello, of the Hilo Varnish Corporation, Brooklyn; Dr. R. R. Denslow, of the E. I. du Pont de Nemours Co., Newark, N. J.; and Dr. Byron L. West, of the Calco Chemical division, were elected to serve as members of the council for the new term.

Chemical Index at New High

Advancing prices on heavy and fine chemicals brought the REPORTER'S composite index number to a new high last week. Prices in both markets tightened substantially as the larger production of many materials became more difficult in keeping with the inability of numerous manufacturers to obtain needed larger stocks of basic raw materials. Defense requirements drew steadily on national reservoirs of raw materials and the call for finished products was often in excess of factory output. Rationing of production was common, producers seeking equitable distribution to regular contract buyers, especially those with defense contracts.

Prices were advanced on castor beans, chromic acid, domestic casein, egg yolk and albumen, imported 3%-50% steamed bone meal, lead acetate, methanol, monochlorobenzene, orthodichlorobenzene, potato starch, sago and tapico flours, silver gelatin, trichlorobenzene, tricresylphosphate, and the spot quotations on the following:—Potash bichromate, potash-soda ferricyanide, soda bichromate and chromate, and yellow prussiate of potash.

Prices were reduced on cocoa butter, domestic dried blood at New York, feeding grade of tankage at New York, gum turpentine and gum rosin.

The REPORTER'S composite index number of prices for heavy and fine chemicals remained at 132.4 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER'S index number is now 93.7 compared with 91.4 at this time last year and 88.8 in 1939.

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Dolan, Joyce Promoted By Mathieson Alkali

George W. Dolan, assistant to the president, has been named executive vice-president of the Mathieson Alkali

George W. Dolan

Works, this city, J. V. Joyce, who will also continue as comptroller, has been named a vice-president.

Mr. Dolan was born in Cleveland in 1904 and graduated from Western Reserve University in 1926. Before becoming assistant to the president, E. M. Allen, Mr. Dolan was an assistant general manager of sales.

I.C.C. Suspends Lower Paint Rates to South

The Interstate Commerce Commission has suspended the reduced ratings for paint within Southern territory. Hearing has been set for June 26, Hotel Biltmore, Atlanta, Ga., 9.00 a.m.

This action, according to E. A. Leveille, chairman, traffic committee of the National Paint, Varnish and Lacquer Association, was taken upon petition by the Southern Motor Carriers Rate Conference, alleging that the proposed ratings are illegal and unlawful, in violations of sections 1 and 15 of the interstate commerce act, part II, and because lower than corresponding ratings maintained by motor carriers will necessitate reduction in rates and charges of the motor carriers to meet the situation thus created.

The publication, although designated to meet motor truck competition, goes beyond meeting any existing competition, the Southern Motor Rate Conference petition held and can only result in similar reductions by competing motor carriers with consequent loss of revenue to both forms of transportation.

The railroads actually went further than the existing competition required

—Continued on page 41

Lead and Zinc Pigments Sales Show Slight Gain

Sales of lead and zinc pigments in 1940 on the whole showed relatively little change from 1939 or were somewhat higher than in that year, according to the Bureau of Mines. White lead alone went against the trend with a drop of 18 percent. Sales of leaded zinc oxide and of zinc sulphate established new high records during the year with increases of 6 and 18 percent, respectively.

Imports of lead pigments were negligible. Exports of white lead decreased from 2,034 tons in 1939 to 1,360 tons in 1940; those of red lead rose from 1,324 to 1,336 tons; and litharge fell from 2,077 tons to 1,586 tons according to the Department of Commerce. Imports of lithopone fell from 2,641 tons in 1939 to none in 1940; those for zinc oxide from 1,551 tons to 318 tons, and zinc chloride from 399 to 19 tons. Imports of zinc sulphide declined from seven tons to less than one ton, and those of zinc sulphate from 325 to 245 tons.

Shipments of zinc oxide from the country totaled 3,239 tons in 1940 com-

—Continued on page 41

Treasury Tax Plan Killed by House Group

OPD Washington Bureau
June 4, 1941

The house ways and means committee today voted to retain the present optional average earnings method of computing excess profits tax credits. This action eliminated the plan of the Treasury Department's under which excess profits taxes be based entirely upon invested capital and that the average earnings method be discarded.

The committee also voted to impose a floor stock tax on all commodities on which higher excise taxes are to be levied or new taxes imposed under the program to raise a minimum of $3,500,000,000 of new revenues for the government from all tax sources this year.

Alcohol Tax Differential Recomended by Kefauver

OPD Washington Bureau
June 5, 1941

Recommendation for a provision to be inserted in the new tax bill now being drawn up by the house ways and means committee, which would establish a separate classification for domestic nonbeverage alcohol at a lower tax rate than for beverage alcohol, was transmitted to the committee this week by Representative Estes Kefauver, of Tennessee.

The provision urged by Representative Kefauver would fix a rate of tax applicable under the basic law, and for a period of five years would levy a rate of tax on such nonbeverage alcohol at two dollars per proof gallon. In addition, he proposed that nonbeverage alcohol be dispensed under a bond and permit system, the rules and regulations to be prescribed and promulgated by the Treasury Department.

Flavoring Extracts Must Use Genuine Base

Advertisements of flavoring designated as "vanilla extract," "lemon extract," "strawberry extract" and the like may not be used unless the products are composed of genuine ingredients as distinguished from synthetic chemical substitutes and such ingredients are suspended in ethyl alcohol, according to a stipulation made recently by the Federal Trade Commission.

The term "vanilla extract" may not be used to describe a flavoring product unless it contains a flavoring content at least 50 percent of which was made from the vanilla bean in a vehicle of ethyl alcohol.

Nitrogen Fertilizer Marketing Regulated Under Antitrust Law

Decree of Final Judgment Entered by Consent May 29, 1941, in the District Court of the United States for the Southern District of New York

The complainant, United States of America, having filed its complaint herein on May 29; all the defendants having appeared and severally filed their answers to such complaint denying the substantive allegations thereof; all parties hereto by their respective attorneys herein having severally consented to the entry of this final decree herein without trial or adjudication of any issue of fact or law herein and without admission by any party in respect of any such issue; and the complainant having moved the court for this decree;

Now, therefore, before any testimony has been taken herein, and without trial or adjudication of any issue of fact or law herein, and upon consent of all parties hereto, it is hereby

Ordered, adjudged and decreed as follows:—

I

That the court has jurisdiction of the subject-matter and of all the parties hereto; that the complaint states a cause of action against the defendants under the act of Congress of July 2, 1890, entitled "An Act to Protect Trade and Commerce Against Unlawful Restraints and Monopolies" and the acts amendatory thereof and supplemental thereto.

II

The term, "synthetic ammonia solution," as used herein, shall mean solutions for agricultural use made by dissolving any nitrogen compound in synthetic aqua ammonia.

III

(A) Each of the defendants Allied Chemical & Dye Corporation, the Barrett Company, Semet-Solvay Company, and the Solvay Process Company, and its successors, subsidiaries, officers and employees, or any of them be and they hereby are enjoined and restrained from agreeing, combining, or conspiring with (B) Chilean Nitrate Sales Corporation and its successors, subsidiaries, officers and employees, or any of them, or with (C) any other producer or distributor of nitrate of soda, ammonium sulphate, cal-nitro or synthetic ammonia solutions (other than the corporations and persons referred to in paragraph III (A) above or a producer or distributor when acting (i) in the capacity of agent or reseller in the distribution of the product of any corporation or person referred to in said paragraph III (A) or (ii) in connection with a prospective sale to be made in the distribution of such product or (iii) as a purchaser or prospective purchaser thereof for consumption):—

1. To fix, determine, maintain, or adhere to prices to be charged in the sale of nitrate of soda by them to others:

2. To fix, determine, maintain or adhere to prices to be charged in the sale of nitrate of soda by them to others in terms of the relationship of such prices to the prices of other nitrogen products;

3. To fix, determine, maintain, or adhere to prices to be charged in the sale of nitrate of soda by them to others in terms of unit nitrogen or unit ammonia prices;

4. To fix, determine, maintain, or adhere to the terms or conditions for the sale of nitrate of soda by them to others, the discounts or the commissions to be allowed thereon, or the freight or trucking allowances in such sale or freight differentials as between different purchasers in such sale or the charges to be made for bagging, storage, handling, or reconditioning, in such sale;

5. To quote prices in the sale of nitrate of soda by them to others only on the basis of f.o.b. certain ports or to select the ports which will be used for the purpose of such quotations by them to others;

6. To establish or designate the territories within which sales of nitrate of soda shall be made by them to others or the type of contract to be used in designated areas in such sale;

7. To prevent or restrain shipment or sale to, into, or from the United States and its territories and possessions of nitrate of soda, except in connection with the prosecution of any legal proceedings against importation or exportation for violation of the law of the United States;

8. To exchange information as to prices to be charged for nitrate of soda sold by them to others other than where such information is published to the general trade;

9. To exchange information as to production, sales, shipments, inventories, future imports of nitrate of soda, or private figures as to importation or exportation of nitrate of soda, other than where such information is published to the general trade;

10. To fix and determine the kind and amount of nitrate of soda to be sold by them to others;

11. To establish or designate classifications of purchasers of nitrate of soda or to classify such purchasers or to designate particular purchasers thereof as belonging to or not belonging to any specified class.

IV

Allied Chemical & Dye Corporation, the Barrett Company, Semet-Solvay Company, and the Solvay Process Company, their successors, subsidiaries, officers, and employees, be and they hereby are enjoined and restrained (with respect to corporations or persons other than those referred to above) from:

Nitrate of Soda

(1) Refusing, when selling nitrate of soda by any method or on any basis to any purchaser located in the continental United States to permit said purchaser to elect to purchase said nitrate of soda f.o.b. cars point of production in carload lots at the seller's price, terms, and conditions f.o.b. cars point of production, and if Atlantic or Gulf ports are being used as a basis of quotation by the seller, then also to permit said purchaser to elect to purchase said nitrate of soda in carload lots f.o.b. cars any Atlantic or Gulf port that is then being used as a basis of quotation by the seller so long as nitrate of soda of the seller is available at such port for delivery to said purchaser at the seller's price, terms, and conditions f.o.b. cars said port.

(2) Agreeing with any mixed fertilizer manufacturer or dealer in or by any agency or resale-price-maintenance contract or agreement to fix, determine, maintain, or adhere to prices to be charged in the sale of nitrate of soda by such mixed fertilizer manufacturer or dealer, acting as principal or agent, to others.

The operative date of subparagraph (1) shall be August 1, 1941.

The operative date of subparagraph (2) shall be July 1, 1943, but said operative date shall be subject to acceleration or postponement as hereinafter provided.

The Attorney-General of the United States or the Assistant Attorney-General in charge of the antitrust division may accelerate the operative date of subparagraph (2) above by serving upon said corporate defendants a certified copy of a final decree or judgment of a court of competent jurisdiction, not subject to further review, restraining, as violative of the antitrust laws, the individual operation by any corporation or person of a producer-agency method of selling any product, substantially similar in legal effect to that employed by defendants for selling nitrate of soda, and in such case the operative date of subparagraph (2) above shall be the 1st of July next following service as aforesaid, provided, however, that, if any defendant herein shall be of opinion that the restraints

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Southern Chemurgic Conference June 17

The first annual Southern chemurgic conference of agriculture, industry and science will be held in the Hermitage hotel, Nashville, Tenn., June 17-19. Among the speakers and their subjects are:—

"A New World Through Chemistry," a speaker from E. I. du Pont de Nemours & Co., Wilmington, Del.

"Grass," a representative from the Allis Chalmers Company, Milwaukee, Wis.

"Vinsol Resin for Concrete Highways," a representative from Hercules Powder Company, Wilmington, Del.

"New Crops for Tennessee and Nearby States," Dr. Paul J. Kolachov, director of research, Joseph E. Seagram & Sons, Inc., Louisville, Ky.

"Cellulose Today," John Traquar, the Mead Corporation, Chillicothe, Ohio.

"Forest Resources of Tennessee and the Cumberland Valley," Dr. J. Alfred Hall, director Central States Forest Experiment Station, Columbus, Ohio.

"Tung Oil," B. F. Williamson, Gainesville, Fla.

"Creating Worth From Waste," Theodore Marvin, Hercules Powder Company, Wilmington, Del.

"Flax Developments," speaker to be announced.

"Chemurgic Products From Milk," Dr. F. C. Atwood, president Atlantic Research Associates, Inc., Newtonville, Massachusetts.

—*Continued on page* 45

Flax Crop Seen Larger Than 1940

At least 25,000,000 bushels of flaxseed will be produced in the five important flax States in 1941, according to an estimate of the Flax Institute of the United States This estimate was predicated on the continuance of current growing conditions, together with the moisture and weather conditions favoring the growth of flaxseed together with elimination of plant disease or the possibility of insects not attacking the plant in its formative period. The five important flax States are Minnesota, Iowa, North and South Dakota and Montana.

Indications that cool and moist weather was not only favorable to flax development during the past week came in the form of a report from Southern Minnesota that weed growth

—*Continued on page* 45

U.S. Soybean Standards To Be Effective Sept. 1

OPD Washington Bureau
June 3, 1941

An amendment, which constitutes a complete revision of the official grain standards of the United States for soybeans, will become effective September 1, 1941, the U. S. Department of Agriculture announced today. The principal changes involve moisture content and split soybeans as grading factors and the adoption of a dockage system.

The Agricultural Marketing Service, which administers the Federal Grain Standards Act, says that the maximum amount of moisture allowed in grades numbers 1, 2 and 3 under the amended standards was lowered somewhat, while the quantity of splits permitted in the numerical grades numbers 1 and 2 was increased. A dockage system was established whereby most of the determinations as to the grades of soybeans are made after the removal of the dockage.

Beryllium Defense Output Asked in Senate Bill

OPD Washington Bureau
June 2, 1941

The Reconstruction Finance Corporation would be empowered to make loans of not to exceed $25,000,000 to provide for the utilization of beryllium and its alloys for national defense purposes under the terms of a resolution (S. J. Res. 77) introduced in the senate this week by Senator Ralph O. Brewster, Maine. The bill authorizes the RFC to make loans upon such terms and under such conditions as it deems advisable. The corporation is also authorized to erect plants and to lease any such plant to a private corporation for operation and to provide working capital for the private operator.

The Supply of Flavoring Oils

By Percy C. Magnus
President, Magnus, Mabee & Reynard, Inc.

Abstract of address delivered June 3, 1941, at convention of the National Confectioners Association of the United States

I am happy indeed to be with you so that we may pool our experiences, our analyses of the present distressed conditions, think and ponder together on the problems which confront us. This is perhaps the most significant convention that many of us have ever attended. Upon many of us rests the momentous decisions of pioneering for business in this catastrophe which has engulfed the world. World trade has been upset as never before. Upon us rests a graver assignment than ever befell the lot of businessmen who preceded us. It has fallen to our industry to keep thoroughly abreast of conditions in order that your business, and our other interested customers, may not suffer.

At the outset, let me assure you that, for practical purposes, we, as a whole, are prepared to supply your wants. Your requirements have been our most important concern. To be sure, the old order has changed and in many instances has completely disappeared. But a few months ago, we were receiving and were supplying you lemon oil, orange oil, and mandarin oil manufactured and obtained from Italy. Flavors from a peaceful Mediterranean.

Another striking example of the connection between the war god Mars and the peaceful pursuits of commerce lies in romantic China. We have had to penetrate the veils of mystery surrounding many political movements in that part of the earth. We can tell you now with assurance that those who are dependent on anise and cinnamon cassia oils, for at least some few months to come will be amply and sufficiently supplied without any foreseen interruption.

Let me at this point bring to you some pertinent facts which I am sure you will find of value because flavor is the most important commodity in your manufactured products. I will start with sweet orange oil, the popular flavor imparted by an expressed oil whose quality and physical constants are recognized by the United States Pharmacopeia.

Sweet Orange Oil

At the time of the first World War we were practically dependent upon

—*Continued on page* 46

FINE CHEMICALS
Mallinckrodt
SINCE 1867

Name it

and it's probably among MALLINCKRODT SILVER PRODUCTS

Mallinckrodt has manufactured quality silver salts for a great many years, using only the finest basic materials. Finished products are packed in containers most suitable for each product. The prices of M.C.W. silver compounds are based chiefly on the market price of silver.

Silver Products by MALLINCKRODT . . .

- Silver Metal A.R. Precipitated
- Silver Acetate
- Silver Bromide
- Silver Carbonate A.R.
- Silver Chloride
- Silver Chloride A.R.
- Silver Cyanide
- Silver Iodide
- Silver Lactate
- Silver Nitrate C.P. Crystals
- Silver Nitrate A.R.
- Silver Nitrate Fused
- Silver Nitrite
- Silver Nucleinate (Mild Protein Silver U.S.P. XI)
- Silver Oxide U.S.P. IX
- Silver Phosphate
- Silver Proteinate (Strong Silver-Protein U.S.P. XI)
- Silver Sulfate

Inquiries as to prices, grades, etc. on silver salts are solicited.

Bottle or Barrel . . .
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Current Market Quotations

June 6, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, cbys., works.....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works.....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works.....lb. .38 - —
100-lb. lots, works.....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works.....lb. .30 - —
100-lb. lots, works.....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls.....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots.....lb. .33 - —
dms., 25-lb lots.....lb. .38 - —
kgs., 2,000-lb. lots.....lb. .33 - —
smaller lots.....lb. .34 - —
powd., bbls., 2-000-lb. lots..lb. .30 - —
smaller lots.....lb. .31 - —
dms., 25-lb. lots.....lb. .36 - —
kgs, 2,000-lb. lots.....lb. .31 - —
smaller lots.....lb. .32 - —
Acetoacetanilide, dms.....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .07½- .08½
l.c.l., dlvd.....lb. .08 - .09
tanks, dlvd.....lb. .06 - .07
Methyl (see M)
Acetonitrile, dms., works.....lb. 1.00 - 2.00
Acetophenone, cns., 25 to 50 lbs., lb. 1.40 - 1.45
dms., 100 lbs.....lb. 1.35 - 1.37
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms.....lb. 1.08 - —
25 lbs., dms.....lb. 1.10 - —
Acid, abietic, dms., e ..., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms.....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 2.23 - 2.48
cbys., cs.....100 lbs. 2.73 - 2.98
56%, bbls.....100 lbs. 4.15 - 4.40
cbys., cs.....100 lbs. 4.65 - 4.90
70%, bbls.....100 lbs. 5.17 - 5.42
cbys., cs.....100 lbs. 5.67 - 5.92
80%, bbls.....100 lbs. 5.89 - 6.14
cbys., cs.....100 lbs. 6.39 - 6.64
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls.....100 lbs. 7.62 - 7.87
l.c.l., same terms.....lb. .09 - —
cbys. .....100 lbs. 8.12 - 8.37
tanks .....100 lbs. 5.00 - 5.50
USP, bbls.....100 lbs.10.25 -10.50
cbys. .....100 lbs.10.75 -11.00
synth., 99.5%, al. dms..100 lbs. 8.43 - 8.68
tanks, contract...100 lbs. 5.50 - —
spot .....100 lbs. 6.50 - —
USP XI, al. dms..100 lbs.10.25 -11.00
CP, dms.....100 lbs.13.50 -14.00
pure, 30%, bbls.....100 lbs. 3.28 - 3.53
cbys., cs.....100 lbs. 3.78 - 4.03
36%, bbls.....100 lbs. 3.66 - 3.91
cbys., cs.....100 lbs. 4.16 - 4.41
60%, bbls.....100 lbs. 6.15 - 6.40
cbys., cs.....100 lbs. 6.65 - 6.90
80%, bbls.....100 lbs. 7.68 - 7.93
cbys., cs.....100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlvd. at destination in the following States:—Conn., Dela., D. of C., Md., Mass., N. J., N. Y., and S. Car., R. I., Penna. and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l., frt. alld..lb. .10½- .11½
l.c.l., dms., frt. alld.....lb. .12 - .13
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works.....lb. .31 - —
Anthranilic, refd., bbls.....lb. 1.15 - 1.20
tech., bbls.....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms.....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works.....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .43 - —
1,000 to 3,999 lbs.....lb. .44 - —
900 lbs. or less.....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs.....lb. .55 - —
900 lbs. or less.....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs.....lb. .53 - .57
99 lbs. or less.....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld..ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.123.00 - —
Acid, boric, tech., 99.5%, powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —
USP, $25 per ton higher.
Butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis.....lb. .23 - —
tanks, same basis.....lb. .21 - —
Broenner's, bbls.....lb. 1.11 - —
Camphoric, cns.....lb. 6.95 - 7.00
Capric, dms.....lb. .17½- .18
Caproic, dms., works.....lb. .25 - .30
Caprylic, dms.....lb. .17½- —
Castor oil, split, dms.....lb. .16½- .17
Chlorosulphonic, dms., c.l., wks. lb. .0350- —
5-drum lots, works.....lb. .04 - —
single drum.....lb. .05 - —
tanks, works.....lb. .03 - —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots.....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20½- —
smaller lots.....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots.....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls.....lb. .65 - —
Coconut oil, dist., dms.....lb. .15 - .15½
Cottonseed oil, dist., dms....lb. .10 - .10½
tanks .....lb. .09½- —
Cresylic (coaltar), high-boil 50%, 210°-215°, dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .68 - —
l.c.l., same basis....gal. .70 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .71 - —
l.c.l., same basis....gal. .73 - —
imported, pale, dms...gal. .90 Nom.
Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East U.S....gal. .48 - —
l.c.l., same basis.....gal. .49 - .50
tanks, dlvd., East. U.S.gal. .439 - —
medium-boil (222°-249°), non-return dms., c.l., works, East. U.S..gal. .54 - —
l.c.l., same basis....gal. .55 - .56
tanks, dlvd., East. U.S.gal. .498 - —
Crotonic, 10 bbls. or more, works..lb. .26 - —
smaller lots, works.....lb. 1.00 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over.lb. .11 - —
1-24 cbys.....lb. .11½- —
Fumaric, bbls., 1-ton delivery.. lb. .24 - —
smaller lots, bbls., dms...lb. .25 - .28
Gallic, tech., bbls.....lb. .90 - .93
NF VI, bbls., 200 lbs., 5 or more..lb. 1.07 - —
smaller lots.....lb. 1.10 - 1.12
fib. dms., 25 lbs.....lb. 1.14 - 1.16
Gamma, bbls.....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs.....lb. .15 - —
25 or 50-lb. demij.....lb. .21 - .23
5-lb. bots.....lb. .29 - —
H. bbls.....lb. .45 - —
Hydriodic, 45-47%, cbys.....lb. 2.42 - 2.44
5-lb. bots.....lb. 2.57 - —
57%, bots.....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls.....lb. .06 - .06½
rubber, dms.....lb. .08 - .08½
48%, lead, cbys.....lb. .12 - —
rubber, dms.....lb. .11 - —
52%, lead, cbys.....lb. .13 - —
rubber, dms.....lb. .12 - —
60%, lead, cbys.....lb. .14 - —
rubber, dms.....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, U S P, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works.....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works.....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
Acid, lactic, tech., light, 44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works.....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys.....lb. .11 - .12
1 to 4 cbys.....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12½- .13½
5 to 10, cbys.....lb. .12¾- .13¾
1 to 4, cbys.....lb. .13¼- .14½
80%, bbls., cbys., 5 or more..lb. .21 - .22
1 to 4, cbys.....lb. .21½- .22½
USP, XI, 85%, cbys.....lb. .42 - .45
USP, VIII, 75%, cbys.....lb. .40 - .43
Lauric, dist., tech., dms....lb. .17½- .18
Laurent's, bbls.....lb. .45 - —
Linseed oil, light, dms.....lb. .16 - .16½
Maleic, powd., dms.....lb. .30 - —
anhydride, dms., c.l.....lb. .25 - —
l.c.l. .....lb. .26 - —
Malic, powd., kegs.....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots.....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit.....lb. .0085- .009
Molybdic, kegs, works.....lb. .93 - 1.10
Monochloracetic, tech., bbls..lb. .13 - .18
Monosulphonic, bbls.....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works.....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 1.15 - —
tanks, works.....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works.....100 lbs. 1.65 - —
CP, dealers, cbys.....lb. .06½- —
6-lb. bots.....lb. .17½- —
consumers, cbys.....lb. .08 - —
6-lb. bots.....lb. .19 - —
Myristic, dist., dms.....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works.....lb. .07 Nom.
tanks, works.....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works.....lb. .09½ Nom.
tanks, c.l., works.....lb. .08 Nom.
240 min. acidity, dms., c.l., works .lb. .10 Nom.
l.c.l., works.....lb. .10½ Nom.
tanks, works.....lb. No prices
Nicotinic, 100-lb. cns.....lb. 7.15 - —
50-lb. cns.....lb. 7.25 - —
25-lb. cns.....lb. 7.30 - —
5-lb. bots.....lb. 7.46 - —
1-lb. bots.....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots.....lb. .21½- —
consumers, cbys.....lb. .13 - —
7-lb. bots.....lb. .23 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .10¾- —
10,000 lbs. or over.....lb. .11 - —
smaller quantities.....lb. .12 - .14
Palm oil, white, dist., dms..lb. .09½- .10
tanks .....lb. .09 - —
Paraminobenzoic, cns.....lb. 1.40 - —
Paranitrobenzoic, cns.....lb. .72 - —
Phenylacetic, bots.....lb. 1.45 - 1.95
Phosphoric, ortho., tech., 50%, cbys..lb. .06 - —
75%, cbys.....lb. .07½- —
USP, 85%, s. g., 1,710 cbys. 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs.....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs.....lb. .65 - .70
Picric, bbls.....lb. .35 - —
Propionic, synth., pure, 55-gal. dms., returnable, works.lb. .14 - —
tanks, works.....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.15 - —
cns. .....lb. 1.33 - —

Acid, pyrogallic, USP, cryst., cns..lb. 1.70 - 1.75
resub., cns.....lb. 2.20 - 2.30
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works.....lb. .32 - .37
Salicylic, tech., bbls.....lb. .33 - —
USP, bbls.....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works.....lb. No prices
Soybean oil, dist., dms.....lb. .14½- .15
Stearic, dist., double pressed, bgs., dlvd..lb. .13½- .14¼
single pressed, bgs., dlvd..lb. .12¾- .13¾
triple pressed, bgs., dlvd..lb. .12¾- .13¾
saponif., double pressed, bgs., dlvd..lb. .13½- .14¼
triple pressed, bgs., dlvd..lb. .16¼- .17¼
Succinic, bbls.....lb. .75 - —
Sulphanilic, CP, bots., works..lb. 1.60 - 1.63
tech., dms., works.....lb. .17 - —
Sulphonaphthenic, dms.....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works.....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works.....ton.16.50 - —
98°, tanks, works.....ton.17.50 - —
CP, USP, dealers, cbys.....lb. .06½- —
9-lb. bots.....lb. .13½- —
consumers, cbys.....lb. .08 - —
9-lb. bots.....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tech., bbls., dms.....lb. .54 - .56
USP, fluffy, bbls., 1,000-lb. lots..lb. .98 - —
100-lb. lots.....lb. 1.00 - —
25-lb. lots.....lb. 1.03 - —
powd., bbls., 1,000 lbs.....lb. .88 - —
smaller lots.....lb. .90 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .63½- —
smaller quantities.....lb. .64 - —
kgs. .....lb. .64½- —
Tobias, bbls.....lb. .55 - .60
Trichloracetic, bots.....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls.....lb. .38 - .42
Root, bls.....lb. 1.10 - 1.15
Aconitine, amorph., bots.....oz.23.00 - —
vial .....vial. 1.00 - —
cryst., bots.....oz.42.00 - —
vial .....vial 1.00 - —
Acrylonitrile, dms., c.l.....lb. .34½- —
5,000 lbs. or more.....lb. .35 - —
1 ton to 4,999 lbs.....lb. .35½- —
1 dm. to 1 ton.....lb. .36 - —
tank cars.....lb. .34 - —
Adeps lanae, anhyd., dms.....lb. .19 - .20
hyd., dms.....lb. .17 - .18
Agar, 1 bl.....lb. 1.40 - 1.45
3 bls.....lb. No prices
Agaric, white, bls.....lb. No stocks
Albumen, blood, dark, flake, bgs., f.o.b. Chicago, frt. alld..lb. .13 - —
powd., grade A, same basis, ton lots..lb. .15 - —
smaller lots, same basis.lb. .18 - —
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .55 - .62
import, bgs.....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.05 - 1.10
powd., dms., bbls.....lb. 1.10 - 1.15
import, cs.....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .121 - —
l.c.l., frt. alld.....lb. .131 - —
tanks, frt. alld.....lb. .111 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns.....lb. .68 - —
drums .....lb. .63 - —
Butyl, normal, cns., works..lb. .14½- .17½
dms., c.l., frt. alld.....lb. .10 - .11
l.c.l., frt. alld.....lb. .10½- .11½
tanks, frt. alld.....lb. .09 - .10
tankwagon, frt. alld.....lb. .09½- .10½
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .08¼- —
l.c.l., same terms.....lb. .08¾- —
tanks, same terms.....lb. .07¼- —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms.....lb. .13 - —
tanks .....lb. .11½- —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs.....lb. 1.70 - —
100 lbs.....lb. 1.80 - —
25 lbs.....lb. 1.90 - —
5 lbs.....lb. 2.00 - —
Cinnamic, bots.....lb. 2.33 - 2.95
Denatured, CD14, dms., c.l., dlvd. E...gal. .36½- .38½
l.c.l., dlvd., dms.....gal. .41½- .43½
tanks, E., dlvd.....gal. .30½- .32½

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
19 bbls., E. works...gal. .37 - —

Alcohol—Benzophenone

Alcohol, SD1, 190 pf., 1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works...gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —
Anhydrous 3c. per gal. higher.
SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —
SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —
Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .09½- .11½
l.c.l., dlvd.....lb. .10 - .12
tanks, dlvd.....lb. .08½- .10½
tech., dms., c.l., dlvd.....lb. .10 - .11
l.c.l., dlvd.....lb. .10½- .11½
tanks, dlvd.....lb. .09 - .10
Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —
Ethyl alcohol in bbls. 2c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works.lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 53,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —
Isoamyl (see Carbinol Isobutyl).
Isobutyl, refd., dms., works..lb. .0790- —
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .58 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.10 - 2.50
Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis..lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —
Aldehol, denat., grade., dms., tanks, works..gal. .70 - .72
Aldehyde, bisulphite, bbls., dlvd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5-10-gal. dms., works...lb. .15 - —
Aletris root, bgs.....lb. .39 - .40
Alizarin (see Red, alizarin).
Alkanet root, bgs.....lb. .67 - .69
Allspice, Mexican, bgs.....lb. .13½- .14
Alpha tocopherol, ampules, per gram. 1.00 - 1.10
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60
Aloin, 140-lb. bbls.....lb. 3.60 - —
100-lb. kgs.....lb. 3.62 - —
25-lb. fib. dms.....lb. 3.69 - —
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, USP, cube cut, bbls., lb. 1.20 Nom.
Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N. Y., Phil...100 lbs. 3.50 - —
lump, bbls., works.....100 lbs. 3.75 - —
dlvd., N. Y., Phil...100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd., N. Y., Phil..100 lbs. 3.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Philas; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phila..100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N. Y., Phila..100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. No prices
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100-lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd..lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers..lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd., lb. .45 - —
solut., 24%, bbls., c.l., dlvd..lb. .07¼- —
Alumina acetate, solut., 24%, l.c.l., 10 or over, dlvd. lb. .08¼- —
1 to 9 dlvd.....lb. .0863- —
normal, pwd., bbls., dlvd. lb. .33 - —
smaller containers, dlvd..lb. .35 - —
solut., 20%, bbls., c.l., dlvd..lb. .08 - —
l.c.l., 10 or over., dlvd. lb. .08½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l. dlvd.....lb .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs, c.l., dlvd.....lb. .12 - —
l.c.l., bgs., dlvd.....lb. .12½- —
bbls., c.l., dlvd.....lb. .12½- —
l.c.l., bbls., dlvd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l. .....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .37½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs..lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c, per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -18.00
Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —
Ammonia, acetate, bbls., kgs., dlvd..lb. .27 - .33
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —
Bicarbonate, dms., dlvd. Met. N. Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14 - .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs. .....lb. .34 - .35
kegs .....lb. .32 - —
Carbonate, lump, dms., dlvd. Met. N. Y..lb. .08¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.65 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., works.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .27 - .29
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Ammonia, phosphate, dibasic, NF V, bls..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .24½- —
paste .....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys, works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys, works..lb. .08 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .85 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, csks.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .11½- .12½
l.c.l., dlvd.....lb. .12 - .13
tanks, dlvd.....lb. .10½- .11½
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —
Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, 5 lbs., bots.....lb. .65 - —
cns. .....lb. .52 - .55
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .35
Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. No stocks
Mexican, bgs.....lb. No stocks
Star .....lb. .21 - .21½
Anisic aldehyde, bots.....lb. 2.60 - 2.75
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —
lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l., dlvd.....lb. .12 - .13
l.c.l., dlvd.....lb. .13½- .14½
Salt, 65%, dms., dlvd. E. of Miss. River..lb. .30 - —
bbls., same basis.....lb. .28 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots. lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .17 - .19
Arecoline hydrobromide, bots..oz. 6.00 - 7.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices
Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.
Arrowroot, St. Vincent, powd., bgs..lb. .09 - .09½
bbls. .....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.65 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03½- —
l.c.l. .....lb. .04¼- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant. lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant. lb. .06 - —
Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y. lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery. gal. .12 - —
tanks, Calif., refinery..ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06¼
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.00 Nom.
Sulphate, bots.....oz.24.00 Nom.

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices
Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —
Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l, works..ton.45.00 - —
l.c.l., works.....ton.50.00 - —
bbls., c.l., works.....ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .05¾- .07
Iodide, bots.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09½- .10½
Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis. ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York....ton.31.50 - —
Southern, off color, bgs., mines, ton.16.00 - —
95.75%, bgs., mines.....ton.16.50 - —
ore, bulk, mines.....ton. 8.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices
Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .82 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 2.25 Nom.
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh, bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .55
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzocaine, cns.....lb. 3.00 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —
Benzophenone, dms..... ....lb .85 - 1.60

Benzoyl chloride, cbys.....lb. .23 - .28
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .48 - —
dms. .....db. .44 - —
Benzyl alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cans..lb. .84 - —
dms. .....lb. .80 - —
Cinnamate, cns.....lb. 5.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Proprionate, bots.....lb. 1.10 - 1.25
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb. 1.45 - 1.60
Benzylidineacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb.17.75 -18.00
Hydrochloride, cns.....lb.17.75 -18.00
Sulphate, cns.....lb.17.75 -18.00
Berberis root, bls.....lb. .12 - .18
Betanaphthol, sublim., kgs.....lb. .55 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs. .....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots., lb. 2.80 - —
jars .....lb. 2.75 - —
Hydroxide, 5-lb. bots.....lb. 2.46 - —
cns. .....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib, dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns. .....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms...lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½- —
3, bbls., bgs., c.l. frt. alld. E., lb. .12 - —
l.c.l., frt. alld. E.....lb. .12½- —
4, bbls., c.l., frt. alld. E..lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½- —
5, bbls., bgs., c.l., frt. alld, E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls.. bgs., c.l., frt. alld. E., lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .11½- —
l.c.l., frt. alld. E.....lb. .12 - —
8, bbls., bgs., c.l., frt. alld. E., lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
Bone black prices on Pacific Coast are 1c. to 1½c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03825- —
f.o.b. North Atlantic ports..lb. .0430- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07¼- —
dlvd..lb. .07¼- —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .03175- —
f.o.b. North Atlantic ports..lb. .0415- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06¾- —
dlvd..lb. .06¾- —
bulk, cars, c.l., f.o.b. plants, lb. .03 - —
f.o.b. New York harbor..lb. .0397- —
All carbon black prices are for delivery in March.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .08½- —
2, bbls.. l.c.l., works.....lb. .08 - —
Ivory, genuine, bbls.....lb. .30 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N.Y., lb. .04¼- —
B, bbls., works or N. Y..lb. .05½- —
works..lb. .13½- .15½
dms., c.l., frt. alld.....lb. .09 - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .28
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 66%%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.10 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.15 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.05 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .85
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.) Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs....lb. 3.75 - —
Victoria, kgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.65 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.84
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 - —
import, bgs., c.i.f. ports..ton.37.50 - —
meal, steamed, dom., 3% ammon., 50% phos., bgs., f.o.b. Chicago..ton.34.00 -35.00
import, bgs., c.i.f. ports..ton.36.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.40.00 - —
Boneset leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
powd., bgs., c.l., frt. alld... ton.48.00 - —
ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys. .....lb. 1.42 - —
Bromstyrol .....lb. 3.25 - 4.00
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½- —
Metallic, iron oxide, bbls., wks., lb. .02¼- —
paper bgs., c.l., works.....lb. .0210- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03¼- —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
Italian, group:—
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09½- —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .08¾- —
8, bbls., same basis....lb. .08½- —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½- —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾- —
14, bbls., same basis....lb. .06½- —
Raw, American, bbls., f.o.b. works..lb. .02¾- —
Italian, Group 1, bbls., f.o.b. N. Y. or works..lb. .13½- —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12½- —
4, bbls., same basis....lb. .10¼- —
5, bbls., same basis....lb. .10¼- —
6, bbls., same basis....lb. .09¼- —
7, bbls., same basis....lb. .09½- —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07½- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06¾- —
umber, American, bbls., works..lb. .06½- —
Brown, Sienna, raw, Turkey, bbls.. l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .04¾- —
St. Louis.....lb. .05¼- —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05½- —
ex whse. Los Angeles, Portland, San Francisco, Seattle..lb. .05¾- —
Boston .....lb. .04¾- —
Chicago, Indianapolis, New Orleans..lb. .05¼- —
Kansas City.....lb. .05¾- —
Minneapolis .....lb. .0535- —
Pittsburgh .....lb. .05 - —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .57 - .58
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks. lb. .14½- .17½
dms., c.l., frt. alld.....lb. .10 - .11
l.c.l., frt. alld.....lb. .10½- .11½
tanks, frt. alld.....lb. .09 - .10
tankwagons, frt. alld...lb. .09½- .10½
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .08¼- —
dms., l.c.l., same terms..lb. .08¾- —
tanks, same terms.....lb. .07¼- —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l., dms., works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Crotonate, normal, 55-gal. dms., works..lb. .35 - —
1-gal. cns., works.....lb. 1.00 - —
5-gal. cns., works.....lb. .75 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .28½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02½- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - —
single jars.....lb. 1.70 - —
5-lb. bots.....lb. 1.84 - —
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.23 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .95 Nom.
ingots or sticks.....lb. .90 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 7.90 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .50
Calamus root, peeled, N. F., cs., lb. .85 Nom.
bleached, bls.....lb. No stocks
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½- —
l.c.l. .....lb. .06¾- —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse, 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-88%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib. dms.... 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphate, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.05 - —
fluffy, dms.....lb. 2.05 - —
Nitrate, bgs., to fert. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton.lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20¼- —
l.c.l., ton.....lb. .22½- —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., works.ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50

Benzoyl Chlor.—Cellulose Acet.

Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs...lb. .73 - .74
slabs, cs.....lb. .73 - .74
tablets, tins.....lb. .80 - .81
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0350- .0380
Morocco, bgs.....lb. .04¾- .05¼
Turkish, bgs.....lb. No stocks
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .80 - .82
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .80 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07½
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .66½- —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .90 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. alld.....gal. .93 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.10 - —
l.c.l., frt. alld.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l....gal. 1.07 - —
l.c.l. .....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.30 - 1.50
decorticated, cs.....lb. 1.20 - 1.30
green, Ceylon, afloat, bgs....lb. 1.30 - 1.50
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .18 - .19
Case-hardening mixture, 30% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .21 - .22
5 tons, works.....lb. .21½- .22¼
smaller lots, works.....lb. .21½- .22½
80-100 mesh, works.....lb. .21½- —
5 tons, works.....lb. .21¾- .22¾
smaller lots, works.....lb. .22 - —
import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .20 - —
80-100 mesh, bgs., c.l., duty paid..lb. .20½- —
French, 30 mesh., bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .19½- .20
No. 1 regular, bls.....lb. .18½- .19
shortsticks, bls.....lb. .14½- .15
broken, bls.....lb. .12 - .12½
China, buds, bags.....lb. .14 - .14½
Rolls, select, bls.....lb. .13 - .13½
broken, extra, bls.....lb. .12½- .12¾
Saigon, No. 1, 4-10-4, bls....lb. .23½- .24
10-6-2, bls.....lb. .24 - .24½
all thin, bls.....lb. .25 - .25½
Cassia fistula, bskts.....lb. .22 - .24
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't, c.&f., N. Y..long ton.72.00 - —
Oil (see Oil, castor).
Pomace, dom., 6½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .84 - .86
Indian .....lb. .53 - .54
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn.,
Cellulose, acetate-butyrate, 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —

Cellulose, Acet.-priop—Dyes

Cellulose, acetate-propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld., lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .48 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .50 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .85 - 1.00
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., divd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex., (except El Paso), Ia...ton.25.00 - —
Kansas, El Paso, Tex. .....ton.26.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02½- —
l.c.l., bbls., works.....lb. .02¾- —
tanks, works.....lb. .01¾- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works.. ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
dms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .93 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., divd., N.Y..lb. .05¼- —
contracts, divd., N. Y...lb. .05¼- —
l.c.l., divd., N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt., equald., 100 lbs. 2.90 - —
Chloracetaphenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 180-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., divd..lb. .13¼- —
solut., 8¼%, cs., bbls.....lb. .05¾- —
Cake, bulk, c.l., works.....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns., 100 ozs.oz. .53 - —

Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.55 - 3.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, cbys., cns..lb. 1.10 - 1.20
Cinnamon, Ceylon, 2 bls.....lb. .24 - .25
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .25 - .26
Madagascar .....lb. .19½- .20
Zanzibar .....lb. .18¾- .18¾
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works.....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., divd. lb. .80½- —
Carbonate, powd., bgs., works. lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
3½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., divd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs..lb. .23½- .24
Cocillana bark, bgs.....lb. .25 - .30
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.25.00 -26.00
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .95 - 1.00
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .11 - .12
Conium leaves, bls.....lb. .30 - .32
Copaiba, balsam, Para, cns....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., divd..lb. .24 - —
smaller containers, divd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .16½- .18
Chloride, anhyd., bbls.....lb. .16 - .18
cryst. .....lb. .13½- .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .18½- .20
Red, com'l, kgs., f.o.b. N. Y. lb. .19 - .21
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.00 - —
1-5 bbls., same basis, 100 lbs. 5.25 - —
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.60 - —
l.c.l., dealers.....100 lbs. 9.60 - —
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.35 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .0375 Nom.
Coriander, bgs.....lb. .12 - .12½
bleached, bgs.....lb. .13 - .13½
Corn silk, bls.....lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., divd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l., 100 lbs. 3.52 - —
44°, bbls., c.l.....100 lbs. 3.57 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% pot. ash, bgs., divd...unit-ton. 1.00 - —
meal, 8%, Southeast, mills..ton.26.00 -26.50
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.25 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .20 - .45
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .52½- —
smaller lots, bbls.....lb. .53 - —
kgs.....lb. .53¼- —
Creosote, beechwood, bots.....lb. .70 Nom.
hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys.....lb. 1.90 - 2.20
Oil, crude, tanks, works....gal. .13½- .14½
Coaltar, solution, tanks, works, gal. .122 - .132
refd., bbls., l.c.l., works.gal. .25 - —
tanks, works.....gal. .18 - .18½
Cresol, USP, dms., c.l., works..lb. .09¾- —
l.c.l., same basis.....lb. .10¼- —
special resin grade, dms., c.l., works.....lb. .08¾- —
l.c.l., same basis.....lb. .09¼- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
5 and 10-gal. dms., works..lb. .15 - —
Cryolite, syn., c.l., frt. alld, E. of Miss. River..lb. .08½- —
l.c.l., works.....lb. .09¼- —
natural, c.l.....100 lbs. 8.75 - —
l.c.l.....100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C....lb. .24 - .26
Cubeb berries, XX, bgs.....lb. .48 - .50
4% rotenone prices are 3c. per lb. less.
powd., cs.....lb. .53 - .54
Culver's root, bls.....lb. .16 - .17
Cumin seed, Morocco, bgs.....lb. .18½- .19
Cyprus, bgs.....lb. .18½- .19
Indian, bgs.....lb. .16½- .17
Persian, bgs.....lb. .17½- .18
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., divd., contracts, N...unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms..lb. .10¾- —
lump, dms.....lb. .09¾- —
75%, gran., dms.....lb. .15 - —
Cyclohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .23 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

D

Damiana leaves, bls.....lb. .16 - .17
Dandelion root, German, bls..lb. .75 - .80
Decanol, normal, tech., 350 lbs., dms., divd..lb. .35 - —
Deertongue leaves, bls.....lb. .12 - .14
Degras, common, dom., bbls...lb. .08 - .08½
neutral, dom., bbls.....lb. .13½- .16½
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y..lb. .25½- .27½
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Potato, bgs., dom., c.l.....lb. .08 - —
l.c.l., bgs.....lb. .09 - .10
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 9.50 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Phthalate, dms., c.l., divd...lb. .21 - —
l.c.l., divd.....lb. .21½- —
tanks, divd.....lb. .20 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works..lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l. .....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific Coast..ton.22.00 -25.00
l.c.l., ex whse.....ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard..ton.35.00 -39.00
l.c.l., ex whse.....ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .07 - —
l.c.l., ex whse.....lb. .10 - .16
import, Algerian, bgs., c.l., c.i.f. ton. No prices
Mexican, white, bgs., c.l., c.i.f. lb. .02 - .03
l.c.l. .....lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. .....lb. .53 - —
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., divd...lb. .19 - —
l.c.l., divd.....lb. .19½- —
tanks, divd.....lb. .18 - —
cns., works.....lb. .23½- .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentanes, dms., c.l., works..lb. .032 - —
l.c.l. .....lb. .04 - —
tanks .....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works.....lb. .24½- —
tanks, works.....lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamino ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms..lb. .75 - —
Diethylaniliin, dms.....lb. .40 - —
Diethylcarbonate, com'l, dms..lb. .25 - —
refd., 99%, dms.....lb. .35 - —
Oxalate, dms., l.c.l., divd.....lb. .27 - —
Diethyl phthalate, dms., c.l., frt. alld..lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½- —
Monobutylether, dms., works.lb. .22½- .24½
Monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works.....lb. .15½- —
tanks, works.....lb. .13½- —
Digitalis leaves, dms.....lb. .40 - .42
Diglycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works.lb. .19 - —
Dillseed, cleaned, bgs.....lb. .08½- .09
Dimethyl phthalate, dms., c.l., divd..lb. .18½- —
l.c.l., divd.....lb. .19 - —
tanks, divd.....lb. .17½- —
Dimethylamine, dms., c.l., divd.lb. .85 - —
l.c.l., divd.....lb. .90 - —
Dimethylanilin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dinitrobenzene, bbls., 99° min.lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½- —
oily, dms.....lb. .05 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, divd..lb. .44 - —
600-1,950 lbs., divd.....lb. .46 - —
150-450 lbs., divd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
dest., dist., dms.....gal. .45 - .49
tanks .....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, dms..lb. .43 - .45
cns. .....lb. .48 - .50
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, divd..lb. .35 - —
600-1,950 lbs., divd.....lb. .36 - —
150-450 lbs., divd.....lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton.35.00 - —
Venezuelan .....ton.38.00 - —
Doggrass root, cut, NF, bls...lb. .80 - .85
Dogwood bark, Jamaica, bls...lb. .08 - .09
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .85 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb.13.50 - —
FD&C blue, No. 2, cns....lb.13.50 - —
FD&C green, No. 2, cns....lb.17.50 - —
FD&C green, No. 3, cns....lb.27.50 - —
Green, FD&C green, No. 1, cns., lb.13.50 - —
Orange, FD&C orange, No. 1, cns...lb. 2.90 - —
FD&C orange, No. 2, cns...lb. 3.65 - —
Red, FD&C red, No. 1, cns...lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb.17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns....lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns...lb. 8.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb.13.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns....lb.12.35 - —
Orange, D&C orange, No. 3, cns...lb. 8.35 - —
D&C orange, No. 4, cns....lb.15.35 - —
D&C orange, No. 10, cns...lb.15.35 - —
D&C orange, No. 11, cns...lb.17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb.18.35 - —
D&C red, No. 19, cns.....lb.15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb. 8.35 - —
D&C red, No. 37, cns.....lb.12.35 - —
Yellow, D&C yellow, No. 7, cns...lb. 8.35 - —
D&C yellow, No. 3, cns....lb. 8.35 - —
D&C yellow, No. 11.....lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb.12.35 - —
Green, Ext. D&C green, No. 1, cns..lb.12.35 - —
Red, Ext. D&C red, No. 1, cns..lb.10.35 - —
Ext. D&C red, No. 3.....lb.21.85 - —
Ext. D&C red, No. 8.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb.12.35 - —
Ext. D&C red, No. 13, cns..lb.12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R.....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
189 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd...lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U.lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
299 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B.lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .85 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black, FF.lb. .55 - 1.00
531 Direct black EW.....lb. .25 - .30
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
620 Direct yellow R.....lb. 1.25 - 1.50
606 Acid violet.....lb. 1.00 - 3.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .60
1177 Indigo, 20 pct. paste..lb. .15 - .18
Benzo fast black L...lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .34
Sulphur yellow.....lb. .25 - .50
Zambesi black.....lb. .75 - .80

Dyes, coaltar for stains, oil soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives..lb. .38 - .42
Blue:—
1075 Alizarin astrol base...lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 5.00 - —
Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Red shade.....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
680 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —

Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—

Black:—
- 864 Nigrosin....lb. .38 - .44

Blue:—
- 860 Indulin....lb. .60 - .70

Brown:—
- 331 Bismarck brown....lb. 1.50 - —

Green:—
- 637 Malachite green base..lb. 2.00 - —

Orange:—
- 20 Chrysoidin G....lb. .95 - —
- 21 Chrysoidin R....lb. .95 - —

Red:—
- 677 Fuchsin, magenta base, lb. 7.25 - —
- 749 Rhodamine B....lb. 4.75 - —

Yellow:—
- 67 Amidoazotoluene yellow, lb. .75 - —
- 655 Auramine....lb. 2.00 - —
- 800 Chinolin yellow SS...lb. 2.00 - —

Violet:—
- 680 Methyl violet base....lb. .85 - —

Dyes, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel 3c. per lb. higher; f.o.b., sellers' works or warehouse):—

Black:—
- 246 Naphthol blue black S.lb. .50 - —
- 873 Methylene gray....lb. 1.50 - —

Blue:—
- 714 Patent blue A....lb. 1.45 - —
- 729 Victoria blue B....lb. 2.00 - —
- 861 Indulin....lb. .87 - —
- 900 New blue R....lb. 1.30 - —
- 922 Methylene blue....lb. 1.00 - —
- 1054 Alizarin saphirol B....lb. 1.90 - —
- 1180 Indigotin IA....lb. .85 - —

Brown:—
- 234 Resorcin brown Y....lb. .65 - —
- 235 Resorcin dark brown R, lb. .66 - —
- 231 Bismarck brown G....lb. .40 - .52
- 332 Bismarck brown R....lb. .50 - .62
- 795 Phosphin....lb. 4.65 - —

Green:—
- 5 Naphthol green B....lb. 1.00 - —
- 657 Malachite green....lb. 1.35 - —
- 662 Brilliant green....lb. 2.00 - —
- 666 Guinea green B....lb. 1.15 - —
- 737 Wool green S....lb. .58 - —
- 924 Methylene green B....lb. 1.55 - —
- 1078 Alizarin cyanin green..lb. 2.35 - —

Orange:—
- 10 Chrysoidin G....lb. .40 - —
- 21 Chrysoidin R....lb. .37 - —
- 27 Orange G....lb. .50 - —
- 151 Orange Y....lb. .30 - —
- 161 Orange R....lb. .34 - —
- 31 Amidonaphthol red G..lb. .42 - —
- 37 Amidonaphthol red 6B, lb. .68 - —
- 79 Popceau R....lb. .48 - —
- 88 Fast red B....lb. 1.05 - —
- 176 Fast red A....lb. .54 - —
- 179 Azorubin....lb. .60 - .62
- 183 Crocein scarlet 3BX...lb. .72 - .75
- 185 Cochineal red A....lb. .60 - —
- 252 Brilliant crosein M....lb. .68 - —
- 677 Fuchsin....lb. 2.10 - —
- 749 Rhodamine B....lb. 3.50 - —
- 752 Rhodamine 6G....lb. 4.50 - —
- 768 Eosin G....lb. 1.50 - —
- 841 Safranin....lb. 1.45 - —

Violet:—
- 680 Methyl violet B....lb. .75 - —
- 681 Crystal violet C....lb. 1.75 - —
- 695 Acid violet 4BN....lb. .88 - —

Yellow:—
- 10 Naphthol yellow S....lb. .88 - —
- 138 Metanil yellow....lb. .53 - —
- 636 Fast light yellow....lb. 1.25 - —
- 639 Xylene light yellow...lb. 1.15 - —
- 640 Tartarzin....lb. .80 - —
- 655 Auramine....lb. 1.27 - —

Dyes, natural (see name of article).

E

Echinacea root, bls....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls....lb. .75 - .78
imported....lb. .69 - .71
Elder flowers, bright, bls....lb. .75 - .80
Elecampane root, bls....lb. .14 - .15
Elm bark, grinding, bls....lb. .11 - .12
powd., bbls., bxs....lb. .19 - .20
select, bndls....lb. .19 - .21
Emetine hydrochloride, bots...oz. 24.00 -25.00
Ephedra, bls....lb. .12 - .13
Ephedrine, USP hemihydrates, tins,
1,000 ozs..oz. .70 - —
100 ozs....oz. .80 - —
anhyd., dms., 1,000-oz. lots.oz. .75 - —
100-oz. lots....oz. .85 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .55 - —
100-oz. lots....oz. .65 - —
Sulphate, cryst., tins, 1,000-oz. lots..oz. .53 - —
100-oz. lots....oz. .63 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrwal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, bgs., l.c.l....lb. .08 - .09
Ergot, USP, cns., dms....lb. 2.25 - 2.30
Eserine, bots....oz. 50.00 -60.00
Salicylate, bots....oz. 42.00 -54.00
Sulphate, bots....oz. 42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms.lb. .11 - —
27-lb. dms....lb. .16 - —
Synth., dms., c.l., work....lb. .10 - —
l.c.l., works....lb. .11 - —
tanks....lb. .08 - —
USP anesthesia, hospitals, 1-lb. cns..lb. .52 - .53
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½- .08½
l.c.l., frt. alld....lb. .08 - .09
tanks, frt. alld....lb. .06½- .07½
95-98%, dms., c.l., frt. alld..lb. .07¾- .08¾
l.c.l., frt. alld....lb. .08¼- .09¼
tanks, frt. alld....lb. .06¾- .07¾
NF, 390-lb. dms....lb. .08 - .08¾
cns., 35 lbs....lb. .13 - .14
Acetoacetate, dms., c.l., wks.lb. .27½- —
l.c.l., dms., works....lb. .28 - —
Benzoate, bots....lb. 1.00 - 1.25
Bromide, tech., dms....lb. .50 - .55
Caproate, cns....lb. 1.06 - —
Chloride, dms....lb. .18 - .20
Ethyl, cinnamate, cns....lb. 3.50 - 3.75
Crotonate, 55-gal. dms., works, lb. .35 - —
1-gal. cns., works....lb. 1.00 - .—
5 and 10-gal. dms., works, lb. .75 - —
Formate, cns., dms....lb. .25 - .26
Iodide, bots....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works.lb. .33½- —
5-gal. dms., works....lb. .37½- .39½
Oenanthate, dms....lb. .75 - 1.25
Oxalate, dms., frt. alld....lb. .25 - —
Oxyhydrate, bots....gal. 4.00 - 6.00
Silicate, l.c.l., dms., wks....lb. .77 - —
Vanillin, 25-lb. lots, cns....lb. 6.00 - —
5-lb. lots, cns....lb. 6.05 - —
1-lb. lots, cns....lb. 6.15 - —
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld..lb. .45 - —
less than 5,000 lbs., same basis..lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0693- .0742
West of Rockies, same basis..lb. .0743- .0792
l.c.l., works, E. of Rockies, frt. alld..lb. .0746- .0795
West of Rockies, same basis..lb. .0792- .0841
Ethyleneglycol, dms., c.l....lb. .14½- —
l.c.l....lb. .15½- .18½
tanks....lb. .13½- —
Monobutylether, dms., c.l.. wks, lb. .16½- —
l.c.l., works....lb. .17½- .20½
tanks, works....lb. .15½- —
monoethylether, dms., c.l., works..lb. .14½- —
l.c.l., works....lb. .15½- .16½
tanks, works....lb. .13½- —
Ethyleneglycol, monoethylether, acetate, dms., c.l., works.lb. .11½- —
l.c.l., dms....lb. .12½- .15½
tanks, works....lb. .10¾- —
Monomethylether, dms., c.l., works..lb. .15½- —
l.c.l., works....lb. .16½- —
tanks, works....lb. .14½- —
Ethylidinanilin, dms....lb. .45 - .47½
Eucalyptol, cns., dms....lb. .80 - .90
Eucalyptus leaves, bls....lb. .11 - .12
Eugenol, cns., dms....lb. 2.00 - 2.10
Euphorbia, bls....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 -17.50
l.c.l., minimum 2 tons...ton. 17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -12.25
l.c.l., minimum 2 tons...ton. 12.75 -16.25
pottery, bulk, Me., works...ton. 17.00 -19.00
N. C., works....ton. 17.00 -19.00
l.c.l., minimum 2 tons.ton. 20.00 -22.00
Fennel seed, Argentine, bgs...lb. .16 - .16½
Indian, bgs....lb. .09 - .09½
French, bgs....lb. No stocks
German, large, bgs....lb. No stocks
Roumanian, bgs....lb. .11½- .12
Fenugreek, seed, bgs....lb. .06½- .07
Ferric, sulphate, anhyd., c.l., works..ton. 35.00 - —
l.c.l....ton. 40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .13 - —
smaller lots, works....lb. .15 - —

Dyes—Fringetree Bark

Film scrap, water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns....gal. 16.50 -17.00
Oregon, bbls....gal. 1.10 - 1.25
Fish berries, bgs....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. 4.40 & .10
Fish scrap, meal, bgs., f.o.b. Balto..ton. 62.00 - —
6-7% ammon., 3% phosphor. acid, bulk, So. Atlantic factories, contracts....unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon., bgs., c.l.f. ports..ton. No prices
Flake white, dom., bbls....lb. .09 - —
kegs....lb. .11 - —
Fleaseed, French, black, bgs..lb. .55 - .60
Indian, blonde, bgs....lb. .10 - .11
Fluorspar, dom., No. 1 ground, bulk, 98-98%, f.o.b. mines..net ton. 29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines..net ton. 19.00 -21.00
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton. 19.00 -21.00
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works....lb. .06 - —
dms., c.l., works....lb. .0515- —
l.c.l., works....lb. .0565- —
Fringetree bark, bls....lb. .14 - .15

They Started Something!

THE BASIC PRINCIPLES that were applied in the simple telescopes of the early astronomers have been utilized in countless ways to widen the scope of man's knowledge and to promote industrial progress and human welfare. The refinements in optical instruments that have culminated in the giant telescopes of today have cast new light on the movements of heavenly bodies, on their size and chemical composition.

In other fields of science, also, optical instruments have played an essential part. The development of the microscope gave industry a new and valuable implement for obtaining basic data on materials and processes. With the aid of the microscope, medical science was able to open whole new fields of knowledge in the cause and treatment of diseases. The men who first discovered that lenses can be used to magnify objects made striking contributions to progress.

When EBG engineers first made Liquid Chlorine commercially available in America, their work, too, had far-reaching effects in industry and in human welfare. EBG Liquid Chlorine gave municipalities a new means for controlling water-borne diseases by the effective purification of water supplies—and today it is expanding its usefulness in the newer field of sewage sterilization. And EBG Liquid Chlorine gave to the paper and textile industries an unusually effective and economical agent for bleaching processes.

The first cylinder of Liquid Chlorine made by EBG in 1909.

EBG engineers are pioneers in the production and servicing of Liquid Chlorine—profit by their *extra* experience when you buy.

ELECTRO BLEACHING GAS COMPANY
Main Office: 60 East 42nd Street, New York, N.Y.
Plant: Niagara Falls, N.Y.

EBG Liquid Chlorine
FIRST IN THE COUNTRY

Fuller's Earth—Gum, Copal

Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines..ton. 15.00 - —
import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½- .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .11 - .13
Gambier, common, cases.....lb. .09 Nom.
plantation, cases.....lb. .11½Nom.
cubes, Singapore, cases..lb. .10½Nom.
extract, bbls.....lb. .09½- .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .07 - .07½
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .14½- —
Gulf Coast, US motor, 72-74 octane, tanks, ex tax..gal. .07¼- —
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .05 - .05⅝
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .05⅜- .05⅝
natural, 18-55, tanks....gal. .03⅜- .04
26-70, tanks.....gal. .03¼- .03⅜
Gelatine, silver, cs.....lb. .70 - .77
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .62 - .65
grd., bbls., bxs.....lb. .64 - .66
powd., bbls., bxs.....lb. .65 - .67
Geraniol, 92-96%, cns., dms...lb. 1.41 - 2.05
other grades, cns., dms.....lb. 1.25 - 1.85
soap, cns., dms.....lb. .65 - 1.00
Ginger, African, No. 1, bgs....lb. .13 - .13½
Cochin, lemon, nearby, bgs..lb. .13 - .13½
Jamaica, bold, bgs.....lb. .20 - .21
medium, bgs.....lb. .19½- .20
grinding, bright, bgs.....lb. .18½- .19
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb. 12.00 -13.00
Glauber's salt, anhyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .16 Nom.
l.c.l., dlvd.....lb. .16½ Nom.
36/58 bgs., c.l., dlvd.....lb. .15½ Nom.
l.c.l., dlvd.....lb. .16 Nom.
58/82 bgs., c.l., dlvd.....lb. .17 Nom.
l.c.l., dlvd.....lb. .17½ Nom.
82/108 millopose, bgs., c.l., dlvd..lb. .17½ Nom.
l.c.l., dlvd.....lb. .18 Nom.
hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., dlvd. East Middlewest. lb. .18 Nom.
l.c.l., same basis.....lb. .18½ Nom.
60/104, bgs., c.l., same basis, lb. .18½ Nom.
l.c.l., same basis.....lb. .20 Nom.
67/122, bgs., c.l., same basis, lb. .20½ Nom.
l.c.l., same basis.....lb. .21 Nom.
75/222, bgs., c.l., same basis, lb. .22½ Nom.
l.c.l., same basis.....lb. .24½ Nom.
68/251, bgs., c.l., same basis, lb. .23½ Nom.
l.c.l., same basis.....lb. .25½ Nom.
92/282, bgs., c.l., same basis, lb. .25½ Nom.
l.c.l., same basis.....lb. .26½ Nom.
102/315, bgs., c.l., same basis..lb. .26½ Nom.
l.c.l., same basis.....lb. .27 Nom.
113/347, bgs., c.l., same basis..lb. .27 Nom.
125/379, bgs., c.l., same basis..lb. .28 Nom.
l.c.l., same basis.....lb. .29 Nom.
Glue prices for barrel packing, ½c. per lb. higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.
Glycerin, CP, cns., l.c.l.....lb. .16½- .17
dms., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .14¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., dlvd.lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
tanks, dlvd.....lb. .13⅝- —
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd..lb. .11½- —
l.c.l., same basis..lb. .12¼- —
tanks .....lb. .11 - —
refiners, dms. returnable, tanks, dlvd..lb. .10 Nom.
soaplye, basis 50%, dms., returnable, tanks, dlvd..lb. .09 Nom.
Glycine, medicinal, bbls., tins.lb. 1.70 - 2.00
Glycol boriborate, dms.....lb. .22 - —
Phthalate, dms.....lb. .33 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price....oz. 35.00 - —
Chloride, acid brown, both..oz. 20.75 -21.00
yellow, bots.....oz. 18.75 -19.00
Gold-soda chloride, photo., bots., oz. 13.00 - —
USP IX, bots.....oz. 14.50 -14.75
Gold of pleasure, seed, bgs....lb. .20 - .21
Goldenseal, root, bls.....lb. 2.00 - 3.25
powd., bxs.....lb. 3.25 - 3.50
Grains of paradise, bgs.....lb. .40 - .41
Graphite, flakes (cryst.), 90%, 325 mesh, 50% graphite carbon, bgs., c.l., works..lb. .07 - —
bbls., c.l., works.....lb. .07¼- —
l.c.l., works.....lb. .07½- —
Amorph., powd., 90%, 325 mesh, 65% graphite carbon, bgs., c.l., works..lb. .02½- —
l.c.l., works.....lb. .03½- —
bbls., c.l., works.....lb. .02¾- —
80% graphite, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house.....lb. .07¼ Nom.
white .....lb. .07⅝- —
yellow .....lb. .07½- —
Wool (see Adeps lanae and Degras).

Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ¼c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
color content 9-10%, bbls., same basis..lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
Green, chrome, reduced, c.p., color content, 22-23%, bbls., same basis..lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis, lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .23 - —
l.c.l. works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .23
Tetrahydroxide, bbls.....lb. .65 - —
Paris (see P).

Green, tungstated, brilliant, kgs. lb. 3.50 - —
emerald, kgs.....lb. 2.85 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .85 - .90
Wood, bls.....lb. .04 - .06
Guaiacol, liq., dms.....lb. 1.55 Nom.
Carbonate, fib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .80 - .85
Arabic, amber sort, cleaned, bgs..lb. .18 - .19
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .21 - .22
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 2.50 - 2.60
Sumatra, cs.....lb. .23 - .24
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. .40 - .42
Copal, Congo, 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco..lb. .49½- —

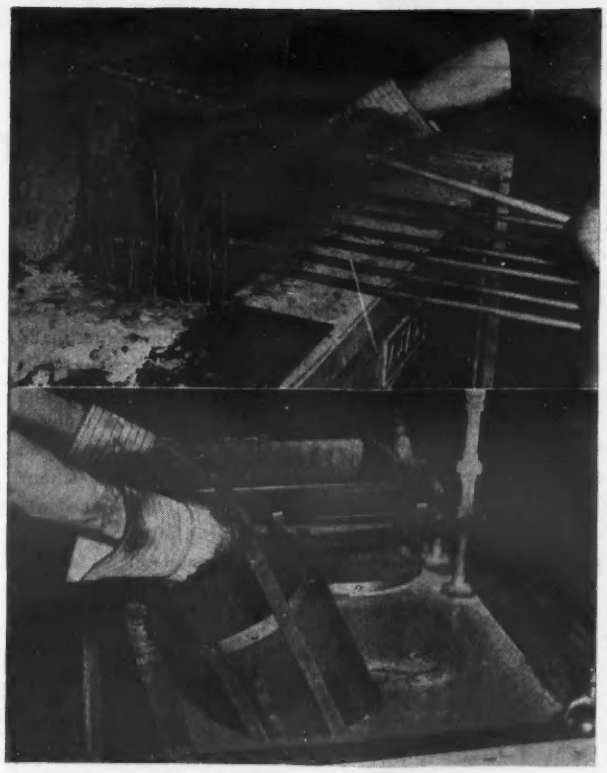
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.

2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .34½- —

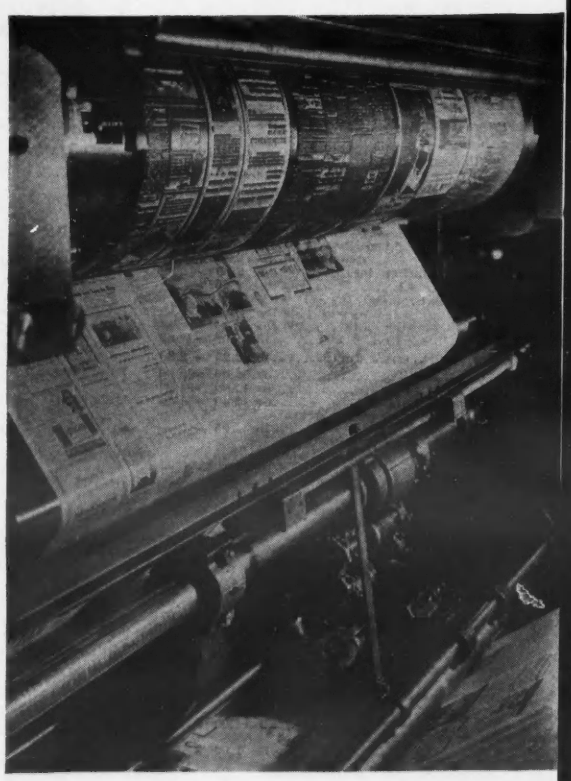
LIFE on the

(*Right*) **MOST POWERFUL** of wetting agents commercially available, AEROSOL* OT is being utilized in more and more processes as industries learn of its superior strength and wetting power, its extreme economy and its exceptional effectiveness. In commercial antiseptics and disinfectants for use by hospitals and institutions, the unusual penetrating power of AEROSOL OT can aid in increasing the effectiveness of solutions which are intended to destroy bacterial or protozoal parasites. This is but one of a wide variety of newer uses for Cyanamid's AEROSOL Wetting Agents. Other recent applications of these versatile materials include processes involving dyestuffs, pharmaceuticals, cosmetics, rubber, printing ink, metals, textiles, paper, paints, varnishes and lacquers.

(*Below*) **RAPID, UNIFORM CARBURIZING** of steel parts with Cyanamid's AEROCARB**—and the quick, easy washing which it makes possible—are helping to boost production on today's rush-delivery orders. Top photo shows hundreds of cams, strung on wires, being lowered into the heat-treating bath of AEROCARB at plant of International Business Machines Corporation. Lower photo shows carburized parts being lowered into cleaning solution for quick, easy rinsing. AEROCARB needs no costly special equipment.



(*Below*) **NEW INKS USE WATER** to improve their characteristics. One such printing ink is practically odorless and is reported to set instantly and permanently when a mist of water is applied, thus permitting high press speeds. Another new ink, using a water base instead of oil, is expected to improve appearances of newspapers. Many Cyanamid synthetic resins and other materials are also contributing to the progress of the printing ink industry and the graphic arts.



Gum, copal, Congo, 4, pale bold straw, bgs., c.l., same basis. lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22½- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13½- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .13½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .12½- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11½- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis, lb. .23½- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10½- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18½- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19½- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18½- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nube, c.l., same basis..lb. .12½- —

Gum, copal, Congo, 22, small mixed nubs, bgs., same basis..lb. .10¾- —
22, dark mixed nubs, bgs., c.l., same basis..lb. .11⅛- —
24, No. 1, ivory nubs., bgs., c.l., same basis..lb. .17½- —
26, pale small nubs, c.l., same basis..lb. .10¾- —
27, pale small nubs, bgs., c.l., same basis..lb. .10½- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, bold scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05¼- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, b g s., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06½- —
Hiroe, Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10½- —
Singapore, Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .06½- —

Gum, copal, singapore, dust, bgs., c.l., same basis..lb. .05½- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Borss, amber and dark, bakts., c.l., same basis, lb. .12¾- —
light, bakts., c.l., same basis..lb. .15¾- —
Loba A, bakts., c.l., same basis..lb. .11¾- —
B, bakts., c.l., same basis, lb. .11¾- —
C, bakts., c.l., same basis, lb. .11¼- —
CNE, bakts., c.l., same basis..lb. .06½- —
D, bakts., c.l., same basis, lb. .12¾- —
DK, bakts., c.l., same basis, lb. .08 - —
dust, bakts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bakts., c.l., same basis..lb. .15¾- —
Singapore, dust, bakts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bakts., same basis..lb. .10¾- —
DBB, bakts., c.l., same basis..lb. .10 - —
MA, bakts., c.l., same basis, lb. .07¾- —
MB, bakts., c.l., same basis, lb. .07¼- —
WS,bakts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13¾- —

Gum, Copal—Henbane Leaves

Gum, copal, Philippine, Manila, amber sorts, bakts., c.l., same basis..lb. .08 - —
chips, pale, bakts., c.l., same basis..lb. .11¾- —
pale, small, bakts., c.l., same basis..lb. .09 - —
extra pale, sorts, bakts., c.l., same basis..lb. .10½- —
nubs, bakts., c.l., same basis..lb. .13½- —
scraped, bakts., c.l., same basis..lb. .14¾- —
seeds and dust, bakts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same basis, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21¾- —
A/C, cs., c.l., same basis..lb. .15¼- —
A/E, cs., c.l., same basis..lb. .12¾- —
B, cs., c.l., same basis...lb. .20¼- —
C, cs., c.l., same basis...lb. .14¾- —
D, cs., c.l., same basis...lb. .13¼- —
dust, cs., c.l., same basis.lb. .07¾- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis...lb. .06 - —
Singapore, 1, cs., c.l., same basis..lb. .16¾- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07½- —
chips,, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07½- —
seeds, cs., c.l., same basis.lb. .09¾- —
Elemi, cns., c.l., same basis as copal..lb. .06½- —
Ester, ordinary, c.l., dms., contract, divd. N. Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .06 - —
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .06¾- —
Pacific Coast (water shipt.)..lb. .06½- —
Other points.....lb. .06¼- —

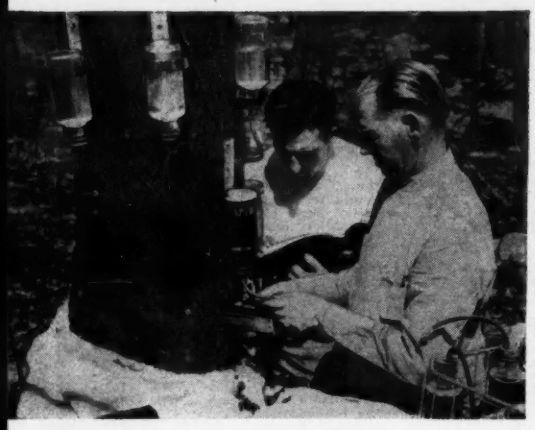
For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ½c. per pound higher.

Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, ogs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
Gum, Kauri, brown, 80%, chips, cs., c.l., same basis..lb. .12¼- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17½- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .55
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....200 lbs.15.00 -15.25
Tragacanth, Aleppo, 1 cs....lb. 3.00 - 3.10
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 2.50 - 2.60
Yacca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Tex., Akron, N.Y.; Blue Rapids, Kans.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
import, bgs., ex dock.....ton.26.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .49
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls.. works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03½- —
tanks, works.....lb. .02¾- —
Hempseed, Manchur, bgs.....lb. .06½- .07
Henbane leaves, bls.....lb. 3.50 Nom.

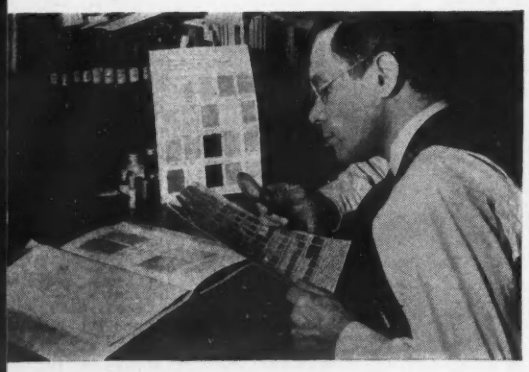
Chemical Newsfront



(*Above*) **TREES ARE NOW CURED** of the usually destructive seeding canker disease by injection with organic chemicals. This is said to be the first successful employment of the injection method of internal medication for the treatment of trees, according to Bartlett Tree Laboratories, who are responsible for this unique development.

(*Above*) **STAINLESS FINGERPRINTING,** which eliminates the need for smudgy fingers, has been reported. Fingers are simply touched first to a chemically-treated pad, then to sensitized paper cards. Dark impressions are made on the paper, but the fingers stay clean. Government agencies and industrial concerns are already using the new method, because of its cleanliness and effectiveness, it is reported.

(*Below*) **PORE-PATTERNS BECOME VISIBLE** in paper by a new process which utilizes inorganic chemicals. Major uses will be in classifying porous materials such as paper, according to W. Nordlander, of General Electric Research Laboratories.



(*Above*) **EXCELLENT SCUFF RESISTANCE** and distinctive grain are now assured to kid shoes by use of Cyanamid's new line of TWECOTAN*** Vegetable Tanning Extracts in the "crushed kid" tanning process. Kid leather has always been a favorite because it is "easy on the feet," but former tannages did not protect the grain sufficiently against scuffing.

American Cyanamid & Chemical Corporation

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA NEW YORK, N. Y.

*Trademark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.

**Trademark of American Cyanamid Company applied to case hardening compounds of its own manufacture.

***Registered U. S. Patent Office

Henna Leaves—Magnesium Sul.

Henna leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., divd., Group 3.. gal. .24 - —
l.c.l., 5 or more, divd., Group 3..gal. .29 - —
1-5, divd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Hematropine hydrobromide, 25 oz., bots..oz.17.50 -24.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.70 - 2.75
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .11 - .12
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz.20.00 - —
Hydrochloride, bots., 4 oz...oz.20.00 - —
Sulphate, bots., 4 oz.....oz.21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydroflumamide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls..lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama Canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.50 - 2.75
Hyoscine hydrobromide, bots..oz.65.00 -85.00
Hydrochloride, bots.....oz.74.00 -75.00
Hyoscyamine, bots.....oz.21.25 -22.25
Hydrobromide, bots.....oz.21.25 -22.25
Sulphate, bots.....oz.21.25 -22.25
Hypernic, ext., liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16¾- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz.12.50 - —
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.67 - —
kgs., 150 lbs., less 5%, ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 2.10 - —
jars, 50 lbs.....lb. 2.00 - —
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
beta, bots.....lb. 3.90 - 3.95
Methyl, alpha, 100%, cns....lb. 4.35 - —
Ipecac root, bgs.....lb. 1.70 - 1.75
powd., bxs.....lb. 1.80 - 1.85
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., divd....lb. .03 - —
l.c.l., divd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .05½- .06
liquor, cbys., wks., frt. alld. or equald..lb. .05 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06¾- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, bbls., dms...lb. 1.50 - 1.60
Iodide, bots.....lb. 3.18 - 3.32
syrup, cbys.....lb. .39 - .40
bots.....lb. .53 - —
Nitrate, red, tech., dms....lb. .03½- .04
Oxalate, powd., kgs.....lb. .47 - .49
cns.....lb. .52 - —
scales, cns.....lb. .82 - .85
Oxide, black, bbls., works...lb. .08 - —
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .65 - .75
Sulphate, tech. (see Coppers and ferric sulphate).
Sulphate, USP, cryst., 275-lb. bbls..lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran.. 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
pearls, 2,000-lb. lots, dms.. lb. .32 - —
200-lb. lots, dms.....lb. .35 - —
scales, 2,000-lb. lots, dms.. lb. .44 - —
200-lb. lots, dms.....lb. .47 - —
Prices on green are the same as for brown.
Iron-ammonia oxalate, bbls...lb. .23½- —
dms., kgs.....lb. .25½- —
Iron-soda oxalate, bbls.....lb. .23½- —
dms.....lb. .25½- .26½
Isobutylacetate, 55-gal. dms., works..lb. .0790- —
tanks, works.....lb. .0690- —
Propionate, dms., works...lb. .09½- —
Isopentane, 50-gal. dms., single, works..gal. .45 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - .12
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- .08½
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - .09
tanks, E. of Rockies, frt. alld..lb. .06½- .07½
Alcohol (see Alcohol).
Isopropyl ether, dms., 5 gals., frt. alld..gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .34 - .45
powd., bbls., bxs.....lb. .39 - .50
resin, lump, 100-lbs. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

K

Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0520- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04 - .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04¾- .04¾
Pennsylvania, 45 w.w., tanks, gal. .05½- .05¾
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae)
Lard, city, tubs.....100 lbs.10.00 -10.25
Middlewestern, trcs....100 lbs. 9.70 - 9.80
Neutral, trcs.....100 lbs.10.75 -10.85
Western, choice, trcs..100 lbs. 9.80 - 9.90
Compound, trcs..100 lbs.13.00 -13.25
Larkspur seed, bgs.....lb. 2.10 Nom.
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .40 - .41
Turkish, bls.....lb. .40 - .42
Portuguese, bls.....lb. .30 - .31
Lavender flowers, ordinary, bls.lb. .60 - .65
medium, bls.....lb. .80 - .85
select, bls.....lb. .90 - .95
Lead acetate, white, broken, bbls., lb. .12 - —
cryst., bbls.....lb. .12 - —
gran., bbls.....lb. .12¾- —
powd., bbls.....lb. .12¾- —
Arsenate, bgs., c.l.....lb. .09 - .09¾
l.c.l., bgs.....lb. .09½- .10¼
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., divd. E..lb. .06¼- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .06½- —
l.c.l., divd. E.....lb. .06¾- —
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
Carbonate (see Lead, white).
Chloride, fib. dms., 100 lbs....lb. .49 - —
Iodide, NF V, powd., 5-lb. bots. lb. 2.80 - —
jars.....lb. 2.69 - —
Linoleate, pale, precip., dms., lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Peroxide, powd., bbls., tech..lb. .23 - —
Oleate, bbls.....lb. .18½- .20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash.....lb. .0860- —
Other points.....lb. .0885- —
l.c.l., 5 tons, divd., Ala., Ariz., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash..lb. .09 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb. .09½- —
Colo., Mont., N. Mex., Wyo..lb. .09¼- —
Other points.....lb. .09¾- —
smaller lots, Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¾- —
97% Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0885- —
other points.....lb. .0860- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .07½- —
other points.....lb. .09 - —
smaller lots, divd. Ala..lb. .09¾- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
98% Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb. .0910- —
other points.....lb. .0885- —
l.c.l., 5 tons, divd. Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¼- —
Lead, red, 98% Pb_3O_4, bbls., smaller lots, divd. Ala., etc..lb. .10 - —
Ariz., etc.....lb. .10½- —
Colo., etc.....lb. .10¾- —
other points.....lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls.....lb. .11½- —
Silicate, bgs., 5 tons.....lb. 6.50 - —
smaller lots.....lb. 7.01 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse...lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse....lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., divd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., divd. Ariz., etc...lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., divd. Ariz., etc.....lb. .06¾- —
other points.....lb. .06½- —
l.c.l., divd. Ariz., etc...lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .13¼- —
dealers .....lb. .11¼- —
painters .....lb. .12¾- —
Consumers' prices and painters' prices are ½c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis...lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. drms. When goods are packed in 500-lb. drms. prices are 1c. per lb. less.

Lemon peel, bls.....lb. .20 - .25
Licorice extract, mass, cs.....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .24 Nom.
powd., bbls., bxs.....lb. .30 - .32
select, bdls., cs.....lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass.....ton. 8.00 - —
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. Va..ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Cal.....ton.13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
Rockland, Me.....ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass.....ton. 8.50 - —
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton.10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa...ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.50 - —
Le Roy, Minn.....ton.10.00 - —
Lime Crest, N. J....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton.14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va.....ton. 9.00 - —
Rockland, Me.....ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —
spray, paper bgs., f.o.b.
Adams, Mass.....ton. 9.50 - —
Bellefonte, Pa.....ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton.11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Rockland, Me.....ton.10.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —
Lime salts (see Calcium).
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis..lb. .08¼- .09½
dms., same basis.....lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, divd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Lime-sulphur solut., Zone 4, tanks, dealers, wks..gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, divd., gal. .10¼- —
dms.....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14
Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.
Linalool, cns.....lb. 3.75 - 4.00
Linalyl acetate, 70%, cns.....lb. 2.75 - 3.50
90%, cns.....lb. 3.75 - 4.45
92%, cns.....lb. 4.25 - 5.00
Linden flowers, with leaves, bls.lb. .50 - .55
without leaves, bls.....lb. .55 Nom.
Linseed cake, bgs., export...ton.21.00 Nom.
meal, bgs.....ton.24.00 - —
Litharge, com'l powd., bbls., 20-tons, divd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
Other points.....lb. .0735- —
5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08¾- —
Other points.....lb. .07¾- —
smaller lots, divd., Ala..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
Other points.....lb. .08¾- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd...lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls..lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 5.20 - —
25-lb. jars.....lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05½- —
smaller lots.....lb. .05½- —
bbls., c.l. (20 tons).....lb. .05¼- —
smaller lots.....lb. .05¾- —
ordinary, bgs., c.l. (20 tons)..lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —
Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.
Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .23 - .25
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N.E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .47 - .48
Batavia, cs.....lb. .30 - .31
Siauw, cs.....lb. .37 - .38
West Indian, cs.....lb. .46 - .48
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls.....lb. .07½- —
kgs.....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls.....lb. .08¼- —
kgs.....lb. .09½- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls.....lb. .09½- —
kgs.....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls.....lb. .08½- —
kgs.....lb. .09¾- —
l.c.l., bgs.....lb. .09¼- —
bbls.....lb. .09¾- —
kgs.....lb. .10½- —
Other points.....lb. .06 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., ctns., c.l.....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).

What the Dictionary doesn't say about Diamonds

Story of a Problem in Packaging

WEBSTER TELLS US that "diamonds are native, crystallized carbon, highly valued when transparent and free from flaws."

What Webster *doesn't* tell us about diamonds would fill volumes. He *doesn't*, for instance, tell us that there are diamonds in 5-gallon pails . . . those well-known, standard containers for oil paint which the packaging industry has used for years.

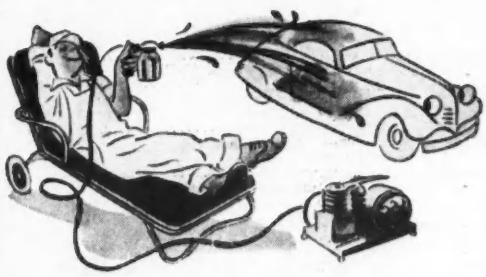
And yet, the packaging industry has been finding "diamonds" (of course, not in the literal sense) in this familiar container. For, in recent

years, its uses have been broadened. And the packaging industry has reaped the added benefits. *The story follows.*

Back in the early 20's, a new-type paint for automobiles was developed — a paint with a nitrocellulose base.

This nitrocellulose paint was easy to manufacture, could be sprayed on rather than brushed on, and it dried fast—much faster than oil paint.

But as far as the 5-gallon pail was concerned, the new paint was a dud. For it ate the dickens out of the pail lining. Not only *that*, but it set up certain chemical monkey-business which even-



tually changed the character of the new paint itself.

So, the scientists at American Can Company went to work. And, after patient experiment and research, they licked the problem. They developed a lining which would "hold" paints with a nitrocellulose base. And, of course, made this new product available to millions more users.

Call this the *first* diamond the packaging industry found in 5-gallon pails. Here are some more.

"Why not," said our research staff, "develop some *other* linings for 5-gallon pails? Why not make a lot of different products available to more users in this inexpensive, efficient container?"

Today, soap, insecticides, adhesives, mince meat, maraschino cherries, chopped fruit, mayonnaise, butter, and syrups for bottled drinks rest just as snugly and securely in the well-known 5-gallon pail as oil paint did years ago.

We believe we've reason to be proud of this story about the 5-gallon pail. For it shows how our research did not stop with solving a specific problem. But went on and applied what had been learned to other, similar problems. Thus —not only did the paint industry but a number of other industries reap the benefits. *American Can Company, 230 Park Avenue, New York, New York.*

CANCO

The Power American Can Brings To Packaging Problems

- 5 laboratories employing 134 people with college training, academic, or professional degrees in the pure, natural, or engineering sciences.
- 13 points from which customers' machinery is serviced . . . 6 points at which customers' machinery is built.
- 67 plants located strategically in the U.S., Canada, and Hawaii.
- A factory-trained sales staff who are specialists in many different types of industry.
- An executive personnel backed by a financial strength that is in itself a tangible business asset.

AMERICAN
CAN COMPANY

230 Park Avenue, New York, N. Y.

Mag., Trisilicate—Oil, Citron.

Magnesium, trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .43 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .63 - —
Magnesite, cal., dom., bgs...ton. 67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton. 22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .23 - .24
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½ —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 29-40 tons, works, ton. 71.50 - —
5-15 tons, works.....ton. 74.50 - —
½, 4 tons, works.....ton. 79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton. 74.00 - —
l.c.l., 5 tons, works....ton. 77.00 - —
smaller lots, works..ton. 82.00 - —
burlap bgs., c.l., works, ton. 71.75 - —
l.c.l., 5 tons, works...ton. 74.75 - —
smaller lots, works...ton. 79.75 - —
paper bgs., c.l., works....ton. 70.00 - —
l.c.l., 5 tons, works....ton. 73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.90 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.12 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 5½%, bbls..ton. .06½- .06½
precip., dms.....lb. .12 - —
Sulphate, anhyd., ton lots, wks., lb. .10½- —
single, bbls., works.....lb. .10¾- —
fertilizer, 65%, MnSo, bgs., c.l., dlvd., South..ton. 57.00 - —
l.c.l., bgs.....ton. 65.00 -75.00
Mangrove bark, bgs., shipt...ton. 31.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works...lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton. 12.00 -14.00
Marjoram, French, No. 1.....lb. .60 - .61
Tunisan, bls.....lb. .33 Nom.
Chilean .....lb. .09 - .10
Menthol, natural, Chinese, cs..lb. 4.05 - 4.15
Japanese, cs.....lb. 4.10 - 4.20
synthetic, USP, cs.....lb. 3.05 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. tots.....lb. 3.10 - —
Mercurial ointment, 30%, pails.
50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd.....lb. 4.00 - 4.05
Mercury, Iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.18 - —
Mercury and chalk, 5-lb. ctns..lb. 1.65 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Mesityl oxide, dms., c.l., dlvd..lb. .11¼- —
l.c.l., dlvd.....lb. .12 - —
tanks, dlvd.....lb. .10½- —
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in....pkg. 3.00 - —
gold, XX, deep, 23K, 3⅜x3⅜ in. pkg. 15.00 - —
silver, 3⅜x3⅜ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .65 - .70
Methanol, natural, producer group A, denat., grade tanks..gal. .60 - —
95%, tanks.....gal. .58 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 3c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld. Zone 1..gal. .30 Nom.
Zone 2.....gal. .32 Nom.
Zone 3.....gal. .34 Nom.
Zone 4.....gal. .34½ Nom.
dms., c.l., Zone 1.....gal. .35½ Nom.
Zone 2.....gal. .37½ Nom.
Zone 3.....gal. .39½ Nom.
Zone 4.....gal. .41½ Nom.
l.c.l., Zone 1.....gal. .38 Nom.
Zone 2.....gal. .45½ Nom.
Zone 3.....gal. .42 Nom.
Zone 4.....gal. .53½ Nom.

group B, 95%, frt. alld., prices 2c. less than pure, all zones.
97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Mo., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —

Methanol, synth., pure, tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., dlvd. E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .60 - —
dms., c.l., same basis...gal. .66 - —
l.c.l., same basis...gal. .71 - —

Methyl acetone prices on Pacific Coast are 3c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .35 Nom.
Zone 2.....gal. .37 Nom.
Zone 3.....gal. .39 Nom.
Zone 4.....gal. .39½ Nom.
dms., c.l., Zone 1.....gal. .40½ Nom.
Zone 2.....gal. .42½ Nom.
Zone 3.....gal. .44½ Nom.
Zone 4.....gal. .46½ Nom.
l.c.l., Zone 1.....gal. .43 Nom.
Zone 2.....gal. .50½ Nom.
Zone 3.....gal. .47 Nom.
Zone 4.....gal. .58½ Nom.

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .38½- —
Zone 2.....gal. .40 - —
Zone 3.....gal. .41 - —
dms., c.l., Zone 1.....gal. .46½- —
Zone 2.....gal. .48 - —
Zone 3.....gal. .49 - —
l.c.l., Zone 1.....gal. .50 - —
Zone 2.....gal. .52½- —
Zone 3.....gal. .53½- —

Alcohol (see Methanol).
Methyl, anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl, cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .69 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .35 - .37
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .23 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.35 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., dlvd..lb. .11½- .12
l.c.l., dlvd.....lb. .12 - .12½
tanks, dlvd.....lb. .10½- .11
Methylnaphthyl ketone, dom., cryst., bots..lb. 2.40 - 2.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton. 11.00 - —
180 mesh, containers extra, c.l., same basis..ton. 11.00 - —
l.c.l., same basis.....ton. 13.00 - —
250 mesh, containers extra, c.l., same basis..ton. 12.00 - —
l.c.l., same basis.....ton. 14.00 - —
325 mesh, containers extra, c.l., same basis..ton. 15.00 - —
l.c.l., same basis.....ton. 17.00 - —
400 mesh, containers extra, c.l., same basis..ton. 17.50 - —
l.c.l., same basis.....ton. 19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 30.00 - —
l.c.l., 5,000 lbs., works, ton. 40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works..lb. .02½- —
100 lbs., works.....lb. .03 - —
Mica, dry-grd., refined, bgs., extra and returnable, c.l., wks. ton. 20.00 - —
l.c.l., 5,000 lbs., works, ton. 30.00 - —
paint, bgs. extra and returnable, c.l., works..ton. 55.00 - —
l.c.l., 5,000 lbs., works, ton. 65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton. 35.00 - —
l.c.l., 5,000 lbs., works. ton. 45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
roofing, bgs., extra and returnable, c.l., works....ton. 29.00 - —
l.c.l., 5,000 lbs., works. ton. 39.00 - —
paint, bgs, extra and returnable, c.l., works..ton. 60.00 - —
l.c.l., 5,000 lbs., works. ton. 70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04¾- —
l.c.l., ex whse., or frt. alld. E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
Biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —

Wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .09½- —
l.c.l.....lb. .10½- —
spray, bbls., c.l.....lb. .09½- —
l.c.l.....lb. .10½- —
unskimmed, roller, bbls., c.l., lb. .23 - —
l.c.l.....lb. .24 - —
spray, bbls., c.l.....lb. .23½- —
l.c.l.....lb. .24½- —
Millet seed, yellow, bgs.....lb. .0240- .0260
early fortune, bgs.....lb. .02¾- .02¾
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .08½- —
f.o.b. Gulf ports.....gal. .08¼- —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monochlorobenzene, dms., l.c.l. lb. .07 - .09
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks.....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb. .35 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., dlvd..lb. .60 - —
l.c.l., dlvd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz. 11.10 - —
cns., 25 ozs.....oz. 10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz. 10.75 - —
cns., 25 ozs.....oz. 10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .07 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grains, bots..oz. 30.00 -35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.35 - —
xylol, cns., 100 lbs. or more, lb. 1.13 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .16 - .16½
yellow, bgs.....lb. .16 - .16½
Chinese, yellow, bgs.....lb. .08¼- .08½
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .26 - .27
Dutch, yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .12 - .12½
Roumanian, yellow.....lb. .15 - .15½
Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls.....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .08 - .06½

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis.lb. .07½- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .12 - .12½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton. 16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l.....lb. .09 - —
tanks.....lb. .07 - —
Nitrocellulose, alcohol-soluble, ¼, and 40 sec. vis., bbls., wks. lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works.....lb. .22 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works. lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton. 1.21 58- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f.o.b. Carrollville, Wis., dlvd..unit-ton. 1.90 - —
f.o.b. Chemical, Ill..unit-ton. 1.90 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works. lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .26
Nitropropane I, l.c.l., dms., works. lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., cs....lb. .26 - .29
Chinese .....lb. .21 - .22
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .16½- .17
small, grinding, bgs.....lb. .16 - .16½
West Indian, bgs.....lb. .14½- .15
Nux vomica, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03¾- —
tanks.....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.3.....gal. .10½- —
Octanol, normal, tech., 360-lb. dms., dlvd..lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. No stocks
s.p.a., bots.....lb. 3.50 - 4.00
sweet, true, exp., cns.....lb. 1.75 - 1.90
Amber, crude, cns.....lb. No stocks
ref'd, cns.....lb. No stocks
Amyris, cns.....lb. 3.50 - 3.75
Angelica, root, bots.....lb. 135.00 -150.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .78 - .85
Apricot, kernels, cns.....lb. .40 - .48
Avocado, cns., dms.....lb. .75 - .85
Bay, W. I., 50-55% phenols, cns..lb. .90 - 1.25
55-66% phenols, cns.....lb. 1.00 - 1.35
Bergamot, artif., cns.....lb. 2.75 - 9.25
natural, coppers.....lb. 20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns.....lb. .50 - .60
rect'd., cns.....lb. 1.60 Nom.
Bois de rose, Brazil, cns....lb. 2.60 - 3.00
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .78 - 1.00
USP IX, cns.....lb. .83 - 1.45
USP X, cns.....lb. .98 - 1.85
Calamus, cns.....lb. No stocks
Camphor, sassafrassy, cns...lb. .22 - .25
dms.....lb. .19 - .22
white, cns.....lb. .23 - .32
dms.....lb. .20 - .29
Cananga, native, cns.....lb. 7.25 - 7.50
rectified, cns.....lb. 7.75 - 8.00
Capsicum (oleoresin), USP VIII, cns..lb. 3.75 - 4.75
Caraway USP, cns.....lb. 9.00 Nom.
Cardamom, bots.....lb. 21.00 -26.00
Cassia, USP, cns.....lb. 2.45 - 2.70
Castor, blown, one-way dms., c.l..lb. .12¾- —
l.c.l.....lb. .13½- —
cold pressed, USP, bbls., c.l. lb. .10¼- —
l.c.l.....lb. .12 - —
cns. (1-gal.), l.c.l.....lb. .15 - —
dms. (returnable), c.l...lb. .11 - —
l.c.l.....lb. .11¾- —
(5-gal.), l.c.l.....lb. .13 - —
tanks.....lb. .10½- —
dehydrated, dms., c.l.....lb. .1520- —
l.c.l.....lb. .1560- —
tanks.....lb. .14½- —
extracted No. 3, tech., bbls., c.l..lb. .11 - —
l.c.l.....lb. .11¾- —
dms. (returnable), c.l....lb. .10¾- —
l.c.l.....lb. .11¼- —
tanks.....lb. .10¼- —
sulphonated, 50% (43% fat), dms., c.l..lb. .07½- —
l.c.l.....lb. .08½- —
75% (63% fat), dms., c.l..lb. .10¼- —
l.c.l.....lb. .11¼- —
80% (68% fat), dms., c.l..lb. .10½- —
l.c.l.....lb. .11½- —

Castor oil, USP, and No. 3, prices are dlvd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ⅝c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.

Cedarleaf, cs.....lb. .96 - 1.33
dms.....lb. .93 - 1.30
Cedarwood, Southern, cns....lb. .29 - .32
dms.....lb. .27 - .30
Celery, bots.....lb. 21.50 -30.00
Chaulmoogra, USP, cns.....lb. .68 - —
Chinawood, dms.....lb. .32 Nom.
tanks.....lb. .30½ Nom.
Cinnamon, bark, bots.....lb. 7.25 -35.00
leaf, dms.....lb. .80 - .85
Citronella, Ceylon, cns.....lb. .52 - .54
dms.....lb. .50 - .52
Java, cns., dms.....lb. .50 - .54

Oil, clove, makers, USP, cns.	lb.	1.20 - 1.25
dms.	lb.	1.15 - 1.20
Coconut, Manila, crude, tanks,	lb.	.06½ Nom.
edible, 76°, dms., c.l.	lb.	.13 Nom.
l.c.l.	lb.	.13½- .14
tanks	lb.	No prices
Cod, Newf., dms.	gal.	.74 - —
Codliver, med., USP, bbls.	bbl.	80.00 -85.00
Coriander, bots.	lb.	14.50 -20.00
Corn, crude, tanks, works.	lb.	.10⅝ Nom.
refd., bbls.	lb.	.13½ Nom.
Cottonseed, cooking, bbls.	lb.	.12¾- —
salad, bbls.	lb.	.13 - —
Creosote (see C).		
Croton, N.F., cns.	lb.	2.35 - 3.00
Cubeb, USP, cns.	lb.	3.50 - 3.75
Crude (see Petroleum, crude).		
Cumin, bots.	lb.	8.00 -10.00
Cypress, bots.	lb.	5.00 -12.00
Degrass (see D).		
Dill seed, bots.	lb.	5.50 - 6.00
weed, bots.	lb.	5.50 - 5.75
Dip (see L).		
Erigeron, cns.	lb.	1.85 - 2.25
Eucalyptus, cns.	lb	68 - .71
dms.	lb.	.65 - .68
Fennel, sweet, cns.	lb.	2.00 - 2.35
Gaultheria (see Oil, wintergreen leaf).		
Geranium, Algerian, rose, cns.	lb	14.00 -15.00
Bourbon, cns.	lb.	13.75 -15.00
Grapefruit, cns.	lb.	1.75 - 2.65
Grapeseed, dom., dms.	lb.	.35 - .36
imported, dms.	lb.	.15 - .20
Ginger, dist., bots.	lb.	4.75 - 6.00
Guaiac wood, concrete, bots.	lb.	3.75 - 4.50
Haarlem, imp., bots.	gross.	No prices
Halibut liver, ref., dms.	gal.	40.00 - —
Hemlock, cns.	lb.	.90 - 1.25
Juniper, berry, cns.	lb.	11.00 Nom.
wood, tech., cns.	lb.	No stocks
Juniper tar, USP XI, dms.	lb.	.60 - .65
Lard, common, 1, bbls.	lb.	.11¾- —
2, bbls.	lb.	.11⅝- —
extra, bbls.	lb.	.12 - —
1, bbls.	lb.	.11¾- —
Winter, strained, bbls.	lb.	.12¼- —
prime, burning, bbls.	lb.	.12⅜- —
prime, ined., bbls.	lb.	.12½- —
Laurel, bots.	lb.	5.00 Nom.
Lavandin, cns., 25 lbs.	lb.	5.00 - 6.00
Lavender flower, French, 50% ester, cns.	lb.	No prices
38-42% ester, cns.	lb.	10.00 -12.00
35-38% ester, cns.	lb.	No prices
30-32% ester, cns.	lb.	No prices
garden, cns.	lb.	.55 - .70
spike, Spanish, tech., cns.	lb.	1.95 - 2.15
dms.	lb.	1.90 - 2.00
Lemon, Calif., cns.	lb.	3.25 - —
Messina, coppers, cns.	lb.	4.75 - 5.00
Terpeneless, Type 1	lb.	10.75 -17.00
Type 2	lb.	8.50 -15.00
Lemongrass, native, cns., dms.,	lb.	1.75 Nom.
Lime, dist., cns.	lb.	5.25 - 6.75
expressed, cns.	lb.	8.75 - 9.25
Terpeneless	lb.	60.00 -65.00
Linaloe, wood, cns.	lb.	2.50 - 2.85
Linseed, raw, dms., c.l.	lb.	.1070- .1090
l.c.l., 10 to 69	lb.	.1100- .1120
5 to 9	lb.	.1130- —
less than 5	lb.	.1150- —
tanks	lb.	.1000- .1020
boiled linseed oil .004 cent over raw.		
Lovage, extra fine, bots.	lb.	85.00 - —
Lubricating, at refinery, ex tax California, neutrals, pale, 200-600 vis., 2½-4, tanks,	gal.	.07¼- .11
red, 200-900 vis., 4-6½ plus, tanks.	gal.	.07¼- .11½
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks,	gal.	.15½- .21
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks,	gal.	.09½- .13½
200-280 vis., 3, 15-25 pour, tanks.	gal.	.09½- .11
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks.	gal.	.20 - .23½
cylinder oils, 600-630 flash, tanks.	gal.	.11 - .15
600 - 650 steam ref'd, tanks.	gal.	.10½- .13
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks.	gal.	.27 - .30½
200 vis., 0-25 pour, tanks,	gal.	.29 - .32½
Mace, dist., cns., dms.	lb.	2.15 - 2.65
Mandarin, superior, coppers.	lb.	9.00 -10.00
Menhaden, crude, tanks, fut., Balto.	gal.	.52½ Nom.
ref'd alkali, dms.	lb.	.1080- —
kettle-boiled, dms.	lb.	.1180- —
light-pressed, dms.	lb.	.0980- —
tanks	lb.	.0880- —
Mineral, white (see Oil, white mineral).		
Mustard, artif., USP, bots., cns.,	lb.	1.50 - 1.60
dist., natural, bots.	lb.	9.50 -10.00
Neatsfoot, 20° cold test, bbls.,	lb.	.20¼- —
extra, bbls.	lb.	.12 - —
1, bbls.	lb.	.11¾- —
prime, bbls.	lb.	.12¼- —
pure, bbls.	lb.	.13½- —
Neroli, bots.	lb.	200.00 -325.00
Nutmeg, dist., cns., dms.	lb.	2.15 - 2.65
Officica, liquid, dms.	lb.	.20 - .20½
tanks	lb.	.19 - —
Oleo, 1, bbls.	lb.	.11½- —
2, bbls.	lb.	.11¼- —
Olibanum, bots.	lb.	5.00 - 5.25
Olive, denat., dms.	gal.	3.25 - 3.50
edible, Calif., dms.	gal.	4.60 - 4.70
imported, dms.	lb.	4.65 - 4.70
foots, dms.	lb.	.16 - .16½
sulphonated, 50% (40% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
75% (63% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
80% (68% fat), dms., c.l.	lb.	No prices
l.c.l.	lb.	No prices
Orange, sweet, dist., cs.	lb.	1.15 - —
expressed, Calif., cns.	lb.	2.75 - —
Florida, cns.	lb.	1.50 - 1.60
Messina, USP, coppers.	lb.	8.00 Nom.
West Indies, cns.	lb.	No stocks
terpeneless	lb.	42.00 -50.00
Origanum, cs.	lb.	1.50 - 2.45
Palm, Niger, dms.	lb.	.05⅞ Nom.
Sumatra, shipt., bulk	lb.	.05½ Nom.
Palmarosa, cns.	lb.	3.20 - 4.00
Paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼- —
350° flash, 70-80 vis., tanks, G. 3.	gal.	.05½- —
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 - —
300° flash, 100-110 vis., tanks, G. 3.	gal.	.05¾- —
Patchouli, bots., cns.	lb.	4.85 - 8.00
Oil, peanut, crude, nom., tanks.	lb.	.09⅞ Nom.
refd., edible, bbls.	lb.	.13¼ Nom.
Pennyroyal, dom., cns.	lb.	2.95 - 3.00
import, cns.	lb.	2.25 - 2.75
Peppermint, natural, cns., dms.,	lb.	3.40 - 3.50
redist., USP, cns., dms.	lb.	3.65 - 4.15
Perilla, dms.	lb.	.18½- .19
tanks	lb.	.17½- —
Petitgrain, Paraguay, cns.	lb.	1.45 - 1.50
dms.	lb.	1.40 - 1.45
Pimento berry, cns.	lb.	4.35 - 8.50
leaf, cns.	lb.	2.10 - 2.60
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.50 - .55
steam-dist., dms.	gal.	.59 - —
tanks	gal.	.54 - —
Pineneedle, Siberian, cns.	lb.	1.40 - 1.55
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½- —
contracts	gal.	.19½- —
Whiting, Ind.	gal.	.28 - —
dms., c.l., Boston, Providence,	gal.	.25 - —
l.c.l., same basis	gal.	.27 - —
tanks, same basis	gal.	.18 - —
Martinez, Cal.	gal.	.28 - —
Rapeseed, tax incl., dms.	lb.	.12¼- .12½
tax not incl., tanks	lb.	.06⅞- —
blown, dms.	lb.	.16½- .16⅝
Red, dist., or saponif., dms., dlvd.	lb.	.11 - .12
tanks, dlvd.	lb.	.10¼- —
Rose, synth., bots.	lb.	3.00 -64.00
natural, coppers	oz.	20.00 -24.00
Rosemary, Spanish, cns.	lb.	.88 - .93
dms.	lb.	.85 - .90
Rosin, 1st rectified, dms.	gal.	.41 - —
2d rectfd., dms.	gal.	.43 - —
3d rectfd., dms.	gal.	.47 - —
Oil, rue, bots.	lb.	7.00 - 7.50
Sage, cns.	lb.	7.50 Nom.
Sandalwood, E.I. USP, cns.	lb.	4.70 - 5.25
Mysore, cns., case lots.	lb.	5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst.	gal.	.55 Nom.
refd., alkali, dms.	lb.	.1080- —
kettle-boiled, dms.	lb.	.1180- —
light-pressed, dms.	lb.	.0980- —
tanks	lb.	.0880- —
Sassafras, artif., cns.	lb.	.75 - —
dms.	lb.	.72 - —
natural, cns., dms.	lb.	1.00 - 1.25
Savin, cns.	lb.	No stocks
Savory, cns.	lb.	No stocks
Shark liver, crude, dms.	million vitamin units.	.10 - —
Sesame, crude, coast, tanks.	lb.	.09¾ Nom.
Shingle stains, bbls., c.l., works.	gal.	.19 - —
l.c.l., works.	gal	.20 - —
tanks, works.	gal.	.14 - —
Snakeroot, Canada, cns.	lb.	8.50 - 9.00
Soybean, dom., crude, dms.	lb.	.10¾- .11
tanks	lb.	.10 Nom.
refd., dms.	lb.	.11 - —
tanks	lb.	.10¾- .11
Spearmint, dms.	lb.	2.60 - 2.80
Sperm, bleach, 38°, dms.	lb.	.1170- —
45°, dms.	lb.	.1100- —
natural, dms.	lb.	.1050- —
Spruce, cns., dms.	lb.	.95 - 1.25
Sweet, birch, North, cns.	lb.	2.75 - 3.50
South, cns.	lb.	1.50 - 1.85
Tall crude, dms., c.l., works.	ton.	40.00 - —
l.c.l., works.	ton.	45.00 -50.00
tanks, works.	ton.	30.00 - —
distilled, dms., c.l., dlvd.	lb.	.05½- .07
l.c.l., dlvd.	lb.	.06½- .08¼
tanks, dlvd.	lb	.05 - .06¾

Oil, Clove—Oil, White Mineral

Oil, tall, refined, dms., c.l., works.	lb.	.04 - —
l.c.l., works.	lb.	.04½- —
tanks, works.	lb.	.03½- —
Tallow, acidless, bbls.	lb.	.11¼- —
tanks	lb.	.10¾- —
Tansy, cns.	lb.	3.75 - 4.15
Tar, pine, com'l, dms., c.l., dlvd. E. cities.	gal.	.26 - —
E. ports, c.l.	gal.	.25 - —
l.c.l.	gal.	.27 - —
tanks, dlvd. E. cities.	gal.	.20 - —
rectfd., USP, bbls., l.c.l., dlvd. E. ports.	gal.	.55 - —
Tar acid (see T).		
Teaseed, crude, dms.	lb.	.20 - .20½
refined, dms.	lb.	.22 - .22½
Tea tree (see Oil, Ti tree).		
Thyme, NF, red, cns.	lb.	1.55 - 2.50
white, cns.	lb.	1.65 - 2.75
Tung (see Oil, Chinawood).		
Ti tree, cns.	lb.	2.50 - 2.65
Turkey red (see castor, sulphonated).		
Turpentine (see T).		
Turtle, cns.	gal.	8.50 - —
Vetiver, Java, bots.	lb.	7.25 - 7.75
Whale, ref., natural, dms.	lb.	.0950- —
winter, bleach, dms.	lb.	.0990- —
Wheat germ, cns., dms.	gal.	17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms.	gal.	.30 - .37
65-75 vis., dms.	gal.	.32 - .39
80-90 vis., dms.	gal.	.33 - .40
95-105 vis., dms.	gal.	.39½- .46½
125-135 vis., dms.	gal.	.45 - .53
140-150 vis., dms.	gal.	.47 - .55

AMERICAN MANUFACTURED AROMATICS OF *Exceptional Quality*

Acetophenone
Aldehyde C-8
Aldehyde C-10
Aldehyde C-12M
Aldehyde C-14
Aldehyde C-16 100%
Aldehyde C-18 100%
Aldehyde C-20 (Raspberry Aldehyde)
Alpha Amyl Cinnamic Aldehyde
Amyl Salicylate (Trefol-Orchid)
Anisic Alcohol
Benzalacetone (Benzylidin Acetone)
B-Methyl Phenyl Glycidic Acid Ethyl Ester
Benzaldehyde, ffc.
Benzoic Acid Ethyl Ester
Benzoic Acid Methyl Ester
Benzophenone Extra
Benzyl Acetate Ia, ffc.
Benzyl Alcohol, ffc.
Benzyl Benzoate, ffc.
Benzyl Cinnamate
Benzyl Salicylate
Bornyl Acetate
Bromelia
Bromstyrol pure
Cinnamic Alcohol
Cinnamic Aldehyde 100% ffc.
Cinnamyl Acetate
Cinnamyl Butyrate
Cinnamyl Formate
Cinnamyl Iso Butyrate
Cinnamyl Propionate
Citronellol
Cumarin 100%
Cuminic Aldehyde
Diacetyl
DiMethyl Anthranilate
DiMethyl Hydroquinone
DiPhenyl Oxide
Ethyl Benzoate
Ethyl Cinnamate
Ethyl Methyl Phenyl Glycidate
Ethyl Phenyl Acetate
Ethyl Phthalate
Ethyl Vanillin (Vanillose)
Geraniol Extra
Geraniol Pure
Geraniol T
Heptylidine Acetone
Hyacinthin Special
Hydratropic Aldehyde
Hydrocinnamic Alcohol
Hydrocinnamic Aldehyde 100%
Hydroxy Citronellal Special
Indol
Indolene
Ionone Ketone
Ionone Methyl
Ionone Terpenes
IsoBornyl Acetate
IsoButyl Furyl Propionate
Iso Jasmone
IsoButyl Salicylate
Methyl Acetophenone (Melilot)
Methyl Amyl Ketone
Methyl Anthranilate
Methyl Anthranilate of Methyl (DiMethyl Anthranilate)
Methyl Benzoate (Niobe-Oil)
Methyl Cinnamate
Methyl Iso Amyl Ketone
Methyl Nonyl Ketone
Methyl Naphthyl Ketone (Orangeol A)
Methyl Phenyl Acetate
Methyl Phenyl Carbinol (Styralyl Alcohol)
Methyl Phenyl Glycidate of Ethyl
Methyl Salicylate (Oil of Wintergreen Art.)
Nerolin Bromelia
Nerolin Yara Yara
Niobe Oil (Methyl Benzoate)
Para Cresyl Acetate
Para Cresyl Caprylate
Para Cresol Ethyl Ether
Para Cresol Methyl Ether
Phenyl Acetaldehyde DiMethyl Acetal
Phenyl Ethyl Acetate
Phenyl Ethyl Butyrate
Phenyl Ethyl Iso Butyrate
Phenyl Ethyl Alcohol
Phenyl Ethyl Cinnamate
Phenyl Propyl Alcohol
Phenyl Propyl Aldehyde
Pineapple Base Special
Rhodinol
Styralyl Acetate
Styralyl Alcohol (Methyl Phenyl Carbinol)
Terpineol
Terpineol Alpha Extra
Tetra Hydro Para Methyl Quinoline
Tolyl Aldehyde
Undecalactone
Vanillin Crystals C.P.
Vanillose (Ethyl Vanillin)
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1019 ELLIOTT ST., W., WINDSOR, ONT.

Oil, White, Mineral—Pet. Ether

Oil, white, mineral, dom., tech., 175-185 vis., dms.	gal.	.50½- .58½
200-210 vis., dms.	gal.	.53½- .61½
320-330 vis., dms.	gal.	.60 - .68
335-345 vis., dms.	gal.	.61 - .69
Russian, 80-90 vis., dms.	gal.	No prices
145-155 vis., dms.	gal.	No prices
175-185 vis., dms.	gal.	No prices
335-345 vis., dms.	gal.	No prices
Wintergreen, natural, North, cns.	lb.	4.75 - 6.00
South, cns.	lb.	3.50 - 3.85
synth (see Methyl salicylate).		
Wood (see Oil, chinawood).		
Wormseed, cns.	lb.	2.30 - 2.85
Wormwood, cns.	lb.	4.50 - 5.00
Ylang-ylang, Bourb., bots., cns.	lb.	14.00 -27.00
Manila, bots.	lb.	35.00 -45.00
Olivine, aggregate c.l. mines,	ton.	7.00 -11.00
Lumps, same basis	ton.	7.00 - —
Spalls, same basis	ton.	5.00 - —
crushed, 8 mesh, bulk, c.l., works	ton.	8.00 - —
paper bags, c.l., wks.	ton.	9.50 - —
ground, 325 mesh, c.l., mines.	ton.	20.00 - —
200 mesh, c.l., mines.	ton.	17.00 - —
100 mesh, c.l., mines.	ton.	15.00 - —
20 mesh to dust	ton.	12.00 - —
Opium, gum, USP, 50-lb. lots, cns.	lb.	11.50 - —
25-lb. lots, cns.	lb.	11.75 - —
5-lb. lots, cns.	lb.	12.00 - —
1-lb. lots, cns.	lb.	12.15 - —

Prices on powd. and gran. USP opium are $1 per pound higher.

Orange, Lake, Persian, bbls.	lb.	.30 - .45
Mineral, Amer., bbls., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11½- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash.	lb.	.11½- —
Colo., Mont., N. M., Wyo.	lb.	.11¾- —
Other points	lb.	.11¾- —
smaller lots, dlvd., Ala., etc.	lb.	.12 - —
Ariz., etc	lb.	.12½- —
Colo., Mont., N. M., Wyo.	lb.	.12¾- —
Other points	lb.	.11¾- —
French, Tours, casks, ex dock,	lb.	No prices
kgs., ex dock	lb.	No prices
Molybdate, bbls.	lb.	.31 - —
Toner, bbls.	lb.	.80 - —
Orangeflower petals, cs.	lb.	.45 - .50
Orange peel, bitter, bls.	lb.	.09 - .10
sweet, bls.	lb.	.10 - .12
Haitain, bgs.	lb.	.07½- .08
Orris root, Florentine, bgs.	lb.	1.50 Nom.
fingers, cs.	lb.	2.00 Nom.
powd., bbls., bxs.	lb.	1.65 Nom.
Verona, bls.	lb.	1.45 Nom.
powd., bgs., cns.	lb.	1.60 Nom.
Orthoamylphenol, l.c.l., dms., works	lb.	.15 - —
Orthoanisidin, bbls.	lb.	.70 - —
Orthochloraniliin, dms.	lb.	.60 - .70
Orthochlorophenol, dms.	lb.	.32 - —
Orthocresol, dms., c.l., works	lb.	.16 - —
l.c.l., same basis	lb.	16½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06 - .07
l.c.l., same basis	lb.	.07 - .08
100-lb. tins, same basis	lb.	.08 - .09
50-lb. tins, same basis	lb.	.09 - .10
tanks, same basis	lb.	.05½- .06½
Orthodichlorobenzene prices west of Rockies lc. per lb. higher.		
Orthonitroaniliin, dms.	lb.	.55 - —
Orthonitrochlorobenzene, dms.	lb.	.15 - .18
Orthonitroparachlorophenol, cns.	lb.	.75 - —
Orthonitrotoluene, dms.	lb.	.09 - —
Orthophenetidin, dms.	lb.	.80 - —
Orthotoluidin, dms.	lb.	.19 - —
Osage orange extract, cryst., bbls.	lb.	.21 - —
liquid, 42°, bbls.	lb.	.09 - —
61°, bbls.	lb.	.10 - —
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50 - —
bots., cns., 1-50 lbs.	lb.	3.75 4.15

P

Papain, powd., cs.	lb.	1.65 - 1.75
Paprika, Algerian, bgs.	lb.	.35 - .37
Bulgarian, bgs.	lb.	.27½- .28
Portuguese, fancy, bgs.	lb.	.34½- .35
good, bgs.	lb.	.29 - .31
Spanish, extra fancy, cs.	lb.	.42 - .43
medium, cs.	lb.	.40 - .41
Parachlorophenol, dms.	lb.	.82 - —
Paracymene, refd., dms.	gal.	.75 - 1.25
Paradichlorobenzene, dms, c.l., lb.	lb.	.11 - .12
l.c.l.	lb.	12¼- 13¼
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy.	lb.	.04¾ Nom.
bbls., c.l., N.Y.	lb.	.04¾ Nom.
124-126 A.m.p., bgs. c.l., Okla., refy.	lb.	.04¾ Nom.
bbls., c.l., N.Y.	lb.	.04¾ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.04¾ Nom.
fully refd., 123-125 A.m.p., bgs., c.l.	lb.	.0570- —
128-130 A.m.p., bgs. or loose, c.l.	lb.	.0570- —
131-133 A.m.p., bgs. or loose, c.l.	lb.	.0595- —
133-135 A.m.p., bgs. or loose, c.l.	lb.	.0625- —
135-137 A.m.p., bgs. or loose, c.l.	lb.	.0650- —
138-140 A.m.p., bgs. or loose, c.l.	lb.	.0725- —
143-145 A.m.p., bgs. or loose, c.l.	lb.	.0820- —
151-153 A.m.p., bgs. or loose, c.l.	lb.	.15 Nom.

Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.

match, A.m.p., up to and incl. 110-112 bbls., c.l.	lb.	.03½- —
Semi-refd., solid, 122-124 A.m.p., bgs.	lb.	.03 - —
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.23 - —
100 to 900 lbs. shipments, same basis	lb.	.24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works	lb.	.10 - —
l.c.l., works	lb.	.11¼- —
5 and 10-gal. dms., works	lb.	.15 - —
USP, cs., cbys.	lb.	.37 - .45
Paranitrophenol, kgs.	lb.	.35 - —
Paranisidine, dms.	lb.	.75 - —
Paranitroaniliin, kgs., works	lb.	.45 - —
Paranitrochlorobenzene, kgs.	lb.	.15 - —
Paranitrotoluene, kgs.	lb.	.30 - —
Paraphenylenediamine, bbls.	lb.	1.25 - 1.30
Paratoluenesulphonamide, bbls.	lb.	.70 - —
Paratoluidin, bbls.	lb.	.48 - —
Pareira brava root, bls.	lb.	.20 - .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.22 - .25
l.c.l., same basis	lb.	.24 - .26
Passion flower, herb, bls.	lb.	.06 - .07
Patchouli leaves, bls.	lb.	.28 - .30
Pellitory root, bls.	lb.	.30 - .32
Pennyroyal leaves, bls.	lb.	.15 - .16
Pentachlorophenol, dms., works,	lb.	.20 - .25
Pentaerythritol, C.P., bbls., dlvd.,	lb.	.75 - —
less than barrel lot	lb.	1.00 - —
tech., bbls., dlvd.	lb.	.33½- .35½
less than barrel lots	lb.	.40 - —
Pentaerythritol tetra acetate, bbls., dlvd.	lb.	1.00 - —
less than barrel lot	lb.	1.50 - —
Pentane, norm., 28-38°, dms., c.l., G.3.	gal.	.11½- —
l.c.l., G.3	gal.	.16 - —
tanks, G.3	gal.	.07 - .08½
laboratory grade, dms., c.l., G.3,	gal.	.14 - —
l.c.l., G.3	gal.	.25 - —
Pepper, black, Alleppy, bags.	lb.	.08 Nom.
Lampong, bags	lb.	.0630- .0650
Tellicherry, bags	lb.	.08 Nom.
white, Java, Muntok, bags.	lb.	.11½- .12
Muntok, small berry, bags.	lb.	.10¾- .11¼
red, chillies, Japan, Hontaka.	lb.	.21 - .22
Mombassa, bgs.	lb.	.25½- .26
Sierre Leone, bgs.	lb.	.24½- .25
Peppermint leaves, dom., bls.	lb.	.75 - .80
import, bls.	lb.	1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., zone 1.	lb.	.08 - —
l.c.l., same basis	lb.	.08½- —
Zone 2, dms., c.l., works, frt. alld.	bl.	.08½- —
l.c.l., same basis	lb.	.09 - —
Zone 3, dms., c.l., works, frt. alld.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 - —
l.c.l., same basis	lb.	.09½- —

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms.	lb.	.85 - .90
Petrolatum, amber, dms.	lb.	.03¼- —
l.c.l.	lb.	.04¼- —
amber, extra, dms.	lb.	.04 - —
l.c.l.	lb.	.04½- —
white, cream, dms., c.l.	lb.	.04½- —
l.c.l.	lb.	.06 - —
lily, dms., c.l.	lb.	.05¼- —
l.c.l.	lb.	.06¾- —
snow, dms., c.l.	lb.	.06 - —
l.c.l.	lb.	.08 - —
Petroleum, crude, bulk, at wells:—		
California	bbl.	.43 - 1.71
Canada	bbl.	1.08 - 1.70
Central West:—		
Illinois	bbl.	1.37 - —
Ohio	bbl.	1.05 - 1.10
Michigan	bbl.	1.17 - 1.44
Indiana	bbl.	1.22 - —
East Texas	bbl.	1.25 - —
Gulf Coast	bbl.	1.06 - 1.48
Kentucky, Tennessee	bbl.	1.22 - 1.30
Louisiana, Arkansas	bbl.	.58 - 1.26
Mexico	bbl.	No prices
Midcontinent (Oklahoma, Kansas, North Texas)	bbl.	.75 - 1.25
Pennsylvania, Ohio, West Virginia:—		
Bradford, Allegany	bbl.	2.55 - —
Corning	bbl.	1.31 - —
N. Y. Transit lines	bbl.	2.53 - —
Eureka lines	bbl.	2.14 - —
S. W. Penn lines	bbl.	2.20 - —
Lower district in National Transit lines	bbl.	2.43 - 2.48
Rocky Mountains	bbl.	.25 - 1.15
South Central and Southwestern Texas	bbl.	1.05 - 1.39
Texas Panhandle, W. Texas and N. Mexico	bbl.	.79 - 1.11
Ether, normal, tanks, G.3	gal.	.09¾- —
dms., c.l., dlvd.	gal.	.24 - —
l.c.l., 5 or more, dlvd.	gal.	.29 - —
1-5, dlvd.	gal.	.38 - —
laboratory grade, dms., c.l., G.3.	gal.	.14¼- —
l.c.l., G.3.	gal.	.25¼- —
10-gal. lots, G-3.	gal.	.50½- —

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BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Petroleum, lacquer, diluent, at refinery:—			
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles	gal.	.11 -	—
San Francisco	gal.	.11½-	—
Willbridge, Ore., Fort Welles, Wash.	gal.	.12 -	—
East Coast, N. Y., tanks,	gal.	.10½-	—
N. J., tanks	gal.	.11 -	—
Group 3, toluol type, tanks,	gal.	.07 -	.08½
Benzol type, tanks	gal.	.08¼-	.09½
Mineral spirits, at refinery:—			
California (f.o.b. San Francisco), 166-252 b.r., tanks,	gal.	.10½-	—
198-290 b.r., tanks	gal.	.10½-	—
246-397 b.r., tanks	gal.	.10½-	—
312-408 b.r., tanks	gal.	.09 -	—
362-458 b.r., tanks	gal.	.09 -	—
East Coast, N. Y., tanks,	gal.	.09 -	—
N. J., tanks	gal.	.09½-	—
Group 3, tanks	gal.	.05¾-	.06½
Gulf Coast, tanks	gal.	.06½-	—
tankwagon:—			
Albany	gal.	.13½-	—
Baltimore (100 gals.)	gal.	.14 -	—
25-99 gals	gal.	.16 -	—
Boston	gal.	.13½-	—
Bound Brook, North Amboy, N. J.	gal.	.13½-	—
Bridgeport, Conn.	gal.	.11½-	—
Buffalo	gal.	.15½-	—
Camden, N. J.	gal.	.10 -	.11½
Chicago	gal.	.1670-	—
Decatur	gal.	.1810-	—
Des Moines	gal.	.1790-	—
Evansville, Ind.	gal.	.1420-	.1520
Milwaukee	gal.	.1930-	—
Minneapolis-St. Paul	gal.	.19½-	—
Newark	gal.	.09½-	—
New York (200 gal)	gal.	.10 -	—
Omaha	gal.	.12½-	—
Pittsburgh	gal.	.11½-	.13½
Providence	gal.	.12 -	—
Rochester	gal.	.12½-	—
St. Louis	gal.	.1470-	—
Syracuse	gal.	.10½-	—
Trenton	gal.	.10½-	—
Wilmington, Del.	gal.	.12½-	—
Naphtha, cleaners', at refinery:—			
California (f.o.b. San Francisco), tanks	gal.	.12 -	—
East Coast, N. Y., tanks,	gal.	.10 -	—
N. J., tanks	gal.	.10½-	—
Group 3, tanks	gal.	.06¾-	.07½
Gulf Coast (f.o.b. New Orleans), tanks	gal.	.06¾-	—
tankwagon, Boston, ex tax,	gal.	.13½-	—
Bridgeport	gal.	.13½-	—
Chicago, inc. 4c. tax	gal.	.18 -	—
Decatur, inc. 4c. tax	gal.	.1910-	—
Des Moines, inc. 4c. tax,	gal.	.1890-	—
Evansville, inc. ex tax.	gal.	.15 -	.16
Milwaukee, inc. 5c. tax.	gal.	.2030-	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½-	—
Newark, ex tax	gal.	.10½-	—
New York, ex tax	gal.	.11 -	—
Omaha, ex tax	gal.	.1490-	.1590
Oklahoma City, ex tax.	gal.	.16½-	—
Philadelphia, ex tax	gal.	.12 -	—
St. Louis, inc. 1c. tax.	gal.	.15½-	—
Syracuse, 150 gals.	gal.	.14½-	—
smaller lots, galv. drums,	gal.	.10 -	—
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	gal.	.21 -	—
2, over 90% arom., same basis.	gal.	.21 -	—
3, same basis	gal.	.22 -	—
8, tanks, f.o.b. Paulsboro, N. J.	gal.	.16½-	—
30, same basis	gal.	.17½-	—
40, same basis	gal.	.17¾-	—
V. M. & P., at refinery:—			
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo	gal.	.11 -	—
Richmond	gal.	.11½-	—
Willbridge, Ore., Pt. Wells, Wash.	gal.	.12 -	—
54-57, 190 i.b.p., 310 e.p., tanks, dlvd. Los Angeles,	gal.	.10 -	—
San Francisco	gal.	.10½-	—
Portland, Seattle.	gal.	.11 -	—
East Coast, N. Y., tanks,	gal.	.10 -	—
N. J., tanks	gal.	.10½-	—
Group 3, tanks	gal.	.06¾-	.07½
Gulf Coast (dlvd. New Orleans), tanks	gal.	.06½-	—
tankwagon, Boston, ex tax,	gal.	.14½-	—
Chicago, inc. 4c. tax.	gal.	.17 -	—
Des Moines, inc. 4c. tax.	gal.	.1890-	—
Decatur, inc. 4c. tax.	gal.	.1910-	—
Evansville, Ind., ex tax,	gal.	.1520-	.1630
Milwaukee, inc. 5c. tax.	gal.	.2030-	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20 -	—
Newark, ex tax	gal.	.11½-	—
New York, ex tax	gal.	.10 -	—
Omaha, ex tax	gal.	.1490-	.1590
Philadelphia, ex tax.	gal.	.13 -	—
St. Louis inc. 1c. tax.	gal.	.1570-	—
Solvent, rubber, at refinery, California (f.o.b. San Francisco),	gal.	.24 -	—
East Coast, N. Y., tanks,	gal.	.10 -	—
N. J., tanks	gal.	.10½-	—
Group 3, tanks	gal.	.06¾-	.08½
Stoddard (CS 8-33), at refinery:—			
California (f.o.b. San Francisco), tanks.	gal.	.11 -	—
East Coast, N. Y., tanks,	gal.	.09 -	—
N. J., tanks	gal.	.09½-	—
Group 3, tanks	gal.	.06¾-	.06⅝
Tankwagon, Boston, ex tax,	gal.	.14 -	—
Chicago, inc. 4c. tax.	gal.	.1640-	—
Decatur, inc. 4c. tax.	gal.	.1860-	—
Des Moines, inc. 4c. tax.	gal.	.1840-	—
Evansville, Ind., ex tax.	gal.	.14 -	.15
Milwaukee, inc. 5c. tax.	gal.	.1980-	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.1820-	—
Newark, ex tax	gal.	.09½-	—
New Orleans, ex tax.	gal.	.11 -	—
New York, ex tax	gal.	.10 -	—
Omaha	gal.	.1360-	.1450
Philadelphia, ex tax.	gal.	.13 -	—
St. Louis, inc. 1c. tax.	gal.	.1340-	—
Tulsa, ex tax	gal.	.10½-	.11⅛
Phenobarbital, 5-lb. bots.	lb.	4.35 -	—
bots. or cns., 100 lbs., spot or contract.	lb.	4.00 -	—
25-lb. cns.	lb.	4.25 -	—
Phenol, USP, dms., c.l., works, frt. equald.	lb.	.12 -	.12½
l.c.l., same basis	lb.	.12¾-	.13¼
under 1,000 lbs	lb.	.13¾-	.14¼
tanks, works	lb.	.11 -	.11½
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots.	lb.	.85 -	—
bbls., dms., kegs., 100-250 lbs.,	lb.	.87 -	.89
yellow, fib. dms., 2,000-lb. lots,	lb.	.80 -	
100-lb. fib. dms.	lb.	.82 -	—
25-lb. dms	lb.	.87 -	—
50-lb. kgs	lb.	.84 -	—
Phenyl chloride, dms.	lb.	.17 -	—
Phenylacetaldehyde, bots.	lb.	4.00 -	4.10
Dimethylacetate, cns.	lb.	14.50 -	15.00
Phenyl ethyl acetate, cns.	lb.	2.50 -	2.75
Phenylethylphenyl acetate, bots.,	lb.	8.00 -	15.00
Phenylhydrazine, base, CP, bots.	lb.	4.55 -	—
hydrochloride, CP, bots, works,	lb.	7.10 -	—
commercial, kgs, works	lb.	1.75 -	—
Phlorogiucinol, CP, tins, wks.	lb.	20.00 -	22.00
tech., tins, works	lb.	15.00 -	16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines	long ton.	No prices	
land pebble, 68% min., bulk, mines	long ton.	1.90 -	—
70% min., bulk, mines, 72% min., bulk mines	long ton.	2.50 -	—
Tenn., 72% bulk, mines	long ton.	4.50 -	—
75% bulk, mines	long ton.	5.50 -	—
Phosphorus, red, cs.	lb.	.40 -	.44
yellow, dms.	lb.	.18 -	.20
cases	lb.	.23 -	.25
Oxychloride, cyls.	lb.	.15 -	.18
Pentoxide, dms., c.l., works.	lb.	.11 -	.12
l.c.l., dms., works	lb.	.13 -	.14
Sesquisulphide, cs.	lb.	.38 -	.42
Trichloride, cyls.	lb.	.15 -	.16
Phthalamide, bbls., works, tons.	lb.	.35 -	—
single bbls., works	lb.	.40 -	—
kgs., works	lb.	.45 -	.50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R.	lb.	.14½-	—
l.c.l., same basis	lb.	.15½-	—
Pichi leaves, bgs.	lb.	.08 -	.09
Pilocarpine hydrochloride, bots., vls.	oz.	4.00 -	4.25
Nitrate, bots., vls.	oz.	3.90 -	4.15
Pimento, Jamaican, bgs.	lb.	.32 -	.33
Mexican (see Allspice, Mexican)			
Pinkroot, bls.	lb.	.41 -	—
Pitch, burgundy (see B),			
Coaltar, 160° m.p., bbls., c.l., works.	ton.	19.00 -	—
l.c.l.	ton.	22.00 -	—
Hardwood, 1-time dms., c.l., dlvd. Akron.	ton.	23.75 -	24.00
Linseed, dms.	lb.	.05 -	.05½
Petroleum (see Asphaltum, Mexican, Texas)			
Pitch, pine, bbls.	bbl.	6.00 -	6.50
Plaster of Paris (see Gypsum).			
Pleurisy root, Southern, bls.	lb.	.12 -	.13
Podophyllin, dms., dlvd. E. of Miss.	lb.	4.50 -	4.70
Poke root, bls.	lb.	.09 -	.10
Polyamyl naphthalene, l.c.l., dms., works.	lb.	.25 -	—
Pomegranate bark, bgs.	lb.	.49 -	.50
Root bark, bgs.	lb.	.60 -	.65
Poppy flowers, red, bls.	lb.	.70 -	.75
Seed, Dutch, bgs.	lb.	.40 -	.41
Roumanian, bgs.	lb.	.37 -	.38
Turkish, bgs.	lb.	.33½-	.34
Potash abietate	lb.	.08	
Acetate, tech., bbls., dlvd.	lb.	.24 -	-
kgs., dlvd.	lb.	.28 -	

Pet. Lacq. Diluent—Pot., Caustic

Potash acetate, USP, bbls., 250 lbs.	lb.	.28 -	—
cns., 25 lbs.	lb.	.31 -	.44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs.	lb.	.13 -	.15
Bicarbonate, USP, cryst., bbls., 300 lbs.	lb.	.15 -	—
gran., bbls., 250 lbs.	lb.	.15 -	—
Bichromate, spots, c.l., works.	lb.	.09½-	—
6 casks or 10 bbls., or over, works.	lb.	.09¾-	—
5 casks or 9 bbls., or less, works.	lb.	.10 -	—
Bromide, USP, gran., bbls., 500 lbs.	lb.	.27 -	—
kgs., 100 lbs.	lb.	.28 -	—
Carbonate, calc., dms., c.l., works.	lb.	.06½-	—
l.c.l., same basis	lb.	.06¾-	—
hydrated, 83-85%, bbls., c.l., works.	lb.	.05½-	—
l.c.l., same basis	lb.	.05¾-	—
liquid, dms., c.l., works, frt. alld.	lb.	.03 -	—
l.c.l., dms., same basis.	lb.	.03½-	—
tanks, same basis	lb.	.02¾-	—
USP, gran., bbls., 325 lbs.	lb.	.14 -	.16
powd., bbls., 325 lbs.	lb.	.19 -	—
kgs., 100 lbs.	lb.	.21 -	—
Caustic, flake, 88-92%, dom., c.l., works.	lb.	.07 -	—
import, dms.	lb.	No prices	
liquid, 45% basis, dms.	lb.	.03½-	.03¾
tanks	lb.	.02¾-	—

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SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.

Potash, Caustic—Soda Ash

Potash, caustic, solid, 88-92%, dom., dms., c.l., works..lb. .06½- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09½- .10
Chloride, tech., 95%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms. .....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz.14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacosulphonate, fib. dms., 100-lb. lots..lb. 1.00 - 1.65
cns., 25 lbs.....lb. 1.75 -
Hydroxide, USP, sticks cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20% K_2O, bulk, ex vessel, Atlantic or Gulf ports. ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports..unit-ton. .60 - —
f.o.b. Carlsbad, N.M..unit-ton. .20 - .21
import, 30% K_2O, bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .21 Nom
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports, unit-ton. .56 - .58
min. 60% K_2O, same basis, unit-ton. .53½- —
import, min., 50% or 60% K_2O, bulk, ex-vessel, Atlantic or Gulf port—unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.l.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms...lb. .19¾- .19¾
USP, dms.....lb. .20 - .20½
Prussiate, red., bbls.....lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs.lb. .07 - —
Sulphate, NF, powd., 350 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk, basis 90% K_2SO_4, ex-vessel, ports..ton.36.25 - —
imp., min., 90% bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, 40%, K_2SO_4, ex-vessel, ports..ton.26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .43
Potash titanium oxalate, 350-lb. bbls..lb. .40 - —
100-lb. dms.....lb. .40 - —
Prickly ash bark, bls.....lb. .12 - .18
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns..lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No. prices
F and I, bbls., 3 or over, works..lb. No prices
less than 3, works....lb. No prices
O, O—¼, O—¾, and ½, bbls. 3 or over, works..lb. No prices
less than 3, works....lb. No prices
Ital.-grd., bgs., c.l., ship., ex dock, N. Y..ton. No prices
l.c.l., 5-29 tons, ex whse.. ton.. No prices
1,000-10,000 lbs., ex whse. ton. No prices
1 to 1,000 lbs., ex whse..ton. No prices
single bgs., ex whse.ton. No prices
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dm.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1). basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.60 - 4.80
(30 to 1), 3 grams pyrethins per 100 cc. dms., dlvd..gal. 6.90 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls..lb. .22 - .23
fine powd., 9% pyrethrins, frt alld., bbls..lb. .23 - .24
Pyridin, denaturing, dms....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites Spanish, bulk, c.l.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib., dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 9.00 - —
325 mesh, same basis....ton.12.00 - —
No. 3, 200 mesh, c.l., mines.ton. 7.50 - —
325 mesh, same basis....ton.12.00 - —
Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs.,works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works. lb. .16 - —
colors, mixed, cs., works..lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .04½- —
tanks, works.....lb. .04 - —
solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04½- —
clarified, 64%, bgs., c.l., same basis..lb. .05½- —
pwd., bgs., c.l.....lb. .08½- —
l.c.l., bgs.....lb. .09 - —
Queen of the meadow leaves, bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, extract, liquid, 50°, bbls..lb. .08½- .09½
solid, dms.....lb. .11 - .16½
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y..flask.182.00 -183.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance..flask.250.00 - —
ex store.....flask.252.00 - —
Quince seed, bgs.....lb. 1.10 - 1.15
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .82 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.05 - —
Tannate, cns.....oz. .63 - —
Tartrate, cns.....oz. 1.03 - —
Valerate, cns.....oz. .99 - —
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. No stocks
Indian, small, recleaned, bgs.lb. .06¼- .06¾
medium, recleaned, bags..lb. .07½- .08
Japanese, bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.) Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha St. Joseph; ½c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld. lb. .90 - —
smaller lots, same basis, lb. .95 - —
kgs., ton lots, same basis, lb. .95 - —
smaller lots, same basis, lb. 1.00 - —
light shade, bbls., ton lots, same basis..lb. .75 - —
smaller lots, same basis, lb. .80 - —
kgs., ton lots, same basis, lb. .80 - —
smaller lots, same basis, lb. .85 - —
light-medium shade, bbls., ton lots, same basis..lb. .80 - —
smaller lots, same basis.lb. .85 - —
kgs., ton lots, same basis.lb. .85 - —
smaller lots, same basis.lb. .90 - —
maroon shades, bbls., ton lots, same basis..lb. 1.00 - —
smaller lots, same basis.lb. 1.05 - —
kgs., ton lots, same basis.lb. 1.05 - —
smaller lots, same basis.lb. 1.10 - —
medium shade, bbls., ton lots, same basis..lb. .85 - —
smaller lots, same basis.lb. .90 - —
kgs., ton lots, same basis.lb. .90 - —
smaller lots, same basis.lb. .95 - —
Selenide, bbls., light, works.lb. 2.20 - —
maroon, works.....lb. 2.70 - —
Carmine, 40, dms., 100 lbs..lb 4.60 -
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Eosin toner, bbls.....lb. 1.25 - —
Fire toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N.Y..lb. .08¾- —
80-85%, bbls., same basis...lb. .07¼- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 2.79 - —
smaller lots.....lb. 2.81 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .08¼- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio..lb. .08¼- —
Red, oxide, 80% copperas oxide, bbls., same basis..lb. .07¾- —
Para, toner, concent., kgs, same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .05 - —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Angeles, Portland, Seattle..lb. .05½- —
Phloxin toner (see Red, Eosin toner).
Phosphotungstic rhodamine Y, kgs..lb. 3.90 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b Bethlehem, Easton, E. St. Louis..lb. .08 - —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis, alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish, oxide, bbls., f.o.b. N.Y..lb. .04½- —
Toluidin toner, kgs., same basis, alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 Nom.
quicksilver, bbls.....lb. 3.20 - 3.27
Red dyes are listed under Dyes.
Red, precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 3.06 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld., E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld., E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs., works.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .39½- —
smaller lots.....lb. .40 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .38½- —
smaller lots.....lb. .39 - —
Rose flowers, pale, bls.....lb. .42 - .45
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .26 - .27
Rosin, gum B, bbls., ex dock.. 100 lbs. 2.15 - —
D, bbls.....100 lbs. 2.36 - —
E, bbls.....100 lbs. 2.38 - —
F, bbls.....100 lbs. 2.39 - —
G, bbls.....100 lbs. 2.39 - —
R, bbls.....100 lbs. 2.43 - —
I, bbls.....100 lbs. 2.43 - —
K, bbls.....100 lbs. 2.42 - —
M, bbls.....100 lbs. 2.49 - —
N, bbls.....100 lbs. 2.57 - —
W, G., bbls.....100 lbs. 2.76 - —
W, W., bbls.....100 lbs. 3.04 - —
X, bbls.....100 lbs. 3.05 - —
wood, F.F., bbls.....100 lbs. 1.70 - 2.00
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
Import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb 30 - 35

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Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb.32.00 -33.00
Safrol, cns.....lb. 1.06 - —
dms.....lb. 1.00 - —
Sage, Dalmatian, garden, bls..lb. 1.50 Nom.
stemless, bls.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, believed afloat, bls....lb. .50 - .52
Spanish, bls.....lb. No stocks
Sago, flour, bgs.....lb. .05 - .05¼
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd. N. Y..ton.13.70 - —
l.c.l., bgs., dlvd. N. Y..ton.15.50 -16.10
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.16.60 -19.70
Saltcake, dom., bulk, works.ton.13.00 Nom.
import, bulk, c.i.f.....ton.16.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls..100 lbs. 8.60 - 9.60
1-9 tons.....100 lbs. 8.75 - 9.75
less than ton lots..100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons..... 100 lbs. 7.60 - —
1-9 tons.....100 lbs. 7.75 - —
less than ton lots..100 lbs. 8.00 - —
powd., bbls., 10-20 tons 100 lbs. 8.60 - —
1-9 tons.....100 lbs. 8.75 - —
less than ton lots..100 lbs. 9.00 - —
Santonin, cryst., cns.....kilo.150.00 -155.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls. lb. .32 - .33
Mexican, bls.....lb. .21 - .22
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .30¾- —
smaller lots.....lb. .31¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .31¼- —
smaller lots.....lb. .31¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .90 - .95
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Senna, Tinnevelly, No. 1, bls., lb .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .09 - .10
powd., bbls., bxs.....lb. .13 - .14
Pods, bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
f.o.b. N.Y..lb. .31 - —
Shellac, bleached, bonedry, bbls. dlvd., Boston.....lb. .31 - —
Chicago .....lb. .31¼- —
Pacific Coast.....lb. .33½- —
rfd., bbls., f.o.b. N.Y.....lb. .37 - —
dlvd., Boston.....lb. .37½- —
Chicago .....lb. .37¾- —
Pacific Coast.....lb. .40 - —
Garnet, bgs.....lb. .25 - .26
D.C., V.S.O., or Diamond L cs., cs..lb. .34 - .35
Superfine, bgs., f.o.b. Boston, N. Y..lb. .25 - .26
dlvd., Chicago.....lb. .25½- .26¼
Pacific Coast.....lb. .28 - .29
T. N., bgs., f.o.b. Boston, N. Y..lb. .24½- .25½
dlvd., Chicago.....lb. .25 - .26
Pacific Coast.....lb. .28 - .29
varnish, Metro area, orange, 5-lb. cut, bbls..gal. 1.25 - 1.30
4½-lb. cut, bbls.....gal. 1.20 - 1.25
4-lb. cut, bbls.....gal. 1.15 - 1.20
white, 5-lb. cut, bbls.....gal. 1.35 - 1.40
4½-lb. cut, bbls.....gal. 1.30 - 1.35
4-lb. cut, bbls.....gal. 1.25 - 1.30
Prices, dlvd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works..ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2½ tons, works, ton.21.00 - —
smaller lots, works..ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —
l.c.l., 2½ tons, works..ton.35.00 - —
smaller lots, works..ton.38.00 - —
96-98%, 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works..ton.21.50 - —
smaller lots, works..ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
med. grd., 99%, 325 mesh, l.c.l., 2½ tons, works..ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .35 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¼- —
500 ozs.....oz. .33½- —
80 to 100 ozs.....oz. .33¾- —
Nitrate, vis.....oz. .34 - —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .33
Simarubra barks, bls.....lb. .35 - .40
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .56 - .58
Smalt, black, extra velvet, ctns., lb. .05 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd., lb. .08¼- .10
flake, gran., powd., 60%, dms., c.l., dlvd..lb. .04 - .04¼
l.c.l., dlvd..lb. .04¾- .05
USP, bbls., dlvd.....lb. .06 - —
98%, dms., c.l., dlvd.....lb. .06 - .06½
l.c.l., dlvd.....lb. .06¾- .07
Alginate, dms., bbls., works..lb. .69 - .70
Antimoniate, bbls., dlvd.....lb. .14 - .14½
Arsenate, dms., dealers, c.l., works..lb. .07½- —
l.c.l., dms., works.....lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works..lb. .06¼- —
l.c.l., dms., works.....lb. .07 - .07½
white, dms., c.l., dealers, works..lb. .07½- —
l.c.l., dms., works.....lb. .08 - .08¼
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2.....100 lbs. 2.28 - —
3.....100 lbs. 2.53 - —
4.....100 lbs. 2.93 - —
bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l., works.....100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. — - —
2.....100 lbs. 2.60 - —
3.....100 lbs. 2.85 - —
4.....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2.....100 lbs. 2.23 - —
3.....100 lbs. 2.48 - —
4.....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2.....100 lbs. 2.50 - —
3.....100 lbs. 2.75 - —
4.....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., and in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W.

of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Soda, benzoate, tech., bbls., 4,000 lbs. or more	lb.	.39	—
1,000 to 3,900 lbs.	lb.	.40	—
900 lbs. or less	lb.	.45	—
USP, bbls., fib., 4,000 lbs. or more	lb.	.46	—
1,000 to 3,900 lbs.	lb.	.47	—
900 lbs. or less	lb.	.50	—
Bicarbonate, tech., bbls., c.l., works	100 lbs.	1.70	—
l.c.l.	100 lbs.	2.05	—
bgs., c.l.	100 lbs.	1.55	—
l.c.l.	100 lbs.	1.90	—
USP, gran., bbls., c.l., works,	100 lbs.	2.25	—
l.c.l.	lb.	2.60	—
powd., bbls., c.l., works	100 lbs.	1.85	—
l.c.l., dlvd., N.Y.	100 lbs.	2.51	—
kgs., c.l.	100 lbs.	2.10	—
l.c.l., dlvd., N.Y.	100 lbs.	2.76	—
Bichromate, spot, c.l., wks.	lb.	.07¾-	—
l.c.l., 6 cks. or 10 bbls. or over, works	lb.	.07½-	—
5 cks. or 9 bbls. or less, works	lb.	.07¾-	—
Bifluoride, bbls.	lb.	.11½-	.12
Bisulphite, powd., bbls., c.l., works	100 lbs.	3.00	- 3.10
l.c.l., works	100 lbs.	3.50	- 3.60
solution, 32 deg., bbls., c.l., works	100 lbs.	1.30	—
l.c.l., bbls., works	100 lbs.	1.55	—
33 deg., bbls., c.l., works	100 lbs.	1.35	—
l.c.l., bbls., works	100 lbs.	1.60	—
35 deg., bbls., c.l., works,	100 lbs.	1.40	—
l.c.l., bbls., works	100 lbs.	1.65	—
44 deg., bbls., works	100 lbs.	1.55	—
l.c.l., bbls., works	100 lbs.	1.80	—
Bromide, USP, gran., bbls., 500 lbs.	lb.	.27	—
fiber drms., 100 lbs.	lb.	.28	—
Cacodylate, 1-kilo bots.	lb.	No prices	
Carbonate (see Soda ash, soda monohydrated, soda sal).			
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works	100 lbs.	2.95	—
drms., c.l., works	100 lbs.	2.70	—
l.c.l., Zone 1	100 lbs.	3.55	- 4.90
2	100 lbs.	3.70	- 5.05
3	100 lbs.	3.95	- 5.30
4	100 lbs.	4.35	- 5.70
electro process, drms., c.l., works	100 lbs.	2.70	—
l.c.l., same zone prices as ammonia process.			
liquid, 47-49%, buyers' tanks, works	100 lbs.	1.92½-	—
sellers' tanks, works	100 lbs.	1.95	—
70%, buyers' tanks, works,	100 lbs.	1.97½-	—
sellers' tanks, works	100 lbs.	2.00	—
solid, 76% ammon., process, drms., c.l., works	100 lbs.	2.30	—
l.c.l., Zone 1	100 lbs.	3.15	—
2	100 lbs.	3.30	—
3	100 lbs.	3.55	—
electro process, drms., c.l., works	100 lbs.	2.30	—
Soda, caustic, solid, electro process, drms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.			
Chlorate, dom., cryst., bgs., c.l., works	lb.	.06¼-	—
l.c.l., works	lb.	.06½-	—
powd., bgs., c.l., works	lb.	.06½-	—
l.c.l., works	lb.	.07 -	.08½
Chromate, spot, c.l., works	lb.	.08¾-	—
l.c.l., 6 cks., 10 bbls. or over, works	lb.	.09½-	—
Citrate, USP VIII, 225-lb. bbls.,	lb.	.18½-	—
cns., drms., 50-lb. lots	lb.	.20½-	—
25-lb. lots	lb.	.22½-	.23½
drms., kgs., 100-lb. lots	lb.	.19½-	—
USP XI, gran., bbls., 250-lb. lots	lb.	.24 -	—
boxes, 50-lb. lots	lb.	.26 -	—
cns., 25-lb. lots	lb.	.28 -	.29
kgs., 100-lb. lots	lb.	.25 -	—
powd., bbls., 250-lb. lots	lb.	.24½-	—
boxes, 50-lb. lots	lb.	.26½-	—
cns., 25-lb. lots	lb.	.29½-	—
kgs., 100-lb. lots	lb.	.25½-	—
Cyanide, 96-98%, dom., drms.	lb.	.14 -	.15
imports, 90%, cs.	lb.	No prices	
Diacetate, 33-35% acidity, bbls., dlvd.	lb.	.09 -	—
anhy., drms., dlvd.	lb.	.12½-	—
Fluoride, white, 90%, bbls., c.l., frt. alld.	lb.	.07 -	—
l.c.l., 10 or over, same basis	lb.	.07½-	—
1-9, same basis	lb.	.08 -	—
95%, bbls., c.l., same basis	lb.	.07¼-	—
l.c.l., 10 or over, same basis	lb.	.07¾-	—
1-9, same basis	lb.	.08¼-	—
Soda fluoride prices at Los Angeles are f.a.s. works.			
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots	lb.	1.10	—
smaller lots	lb.	1.25	—
cns., 25 lbs.	lb.	1.50	—
powd., bbls., 1,000-lb. lots	lb.	1.15	—
smaller lots	lb.	1.30	—
cns., 25 lbs.	lb.	1.55	—
Hydrosulphite, drms.	lb.	.17	- .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots	lb.	.22	- .24
Hypophosphite, N. F., cns., 100-			
Hyposulphite, cryst., large, bgs., works, frt. equal'd,	100 lbs.	2.25	—
bbls., same basis	100 lbs.	2.45	—
l.c.l., bgs., works, frt. equal'd	100 lbs.	2.50	—
bbls., same basis	100 lbs.	2.70	—
pea, bgs., c.l., works	100 lbs.	2.60	—
bbls., works	100 lbs.	2.80	—
drms., works	100 lbs.	3.10	—
5,000 lbs. and over, bgs., works	100 lbs.	2.75	- 3.00
bbls., works	100 lbs.	2.95	- 3.20
drms., works	100 lbs.	3.25	- 3.60
2,500 to 5,000 lbs., bgs., works	100 lbs.	2.85	- 3.10
bbls., works	100 lbs.	3.05	- 3.30
drms., works	100 lbs.	3.35	- 3.60
Soda, hyposulphite, pea, 500 to 2,500 lbs., works	100 lbs.	3.10	- 3.25
bbls., works	100 lbs.	3.30	- 3.55
drms., works	100 lbs.	3.60	- 3.85
less than 500 lbs., bgs., works	100 lbs.	3.70	- 3.95
bbls., works	100 lbs.	3.90	- 4.15
drms., works	100 lbs.	4.20	- 4.45
Iodate, jars.	lb.	5.49	—
Iodide, jars.	lb.	2.42	—
bots.	lb.	2.53	- 2.57
Mandelate, 100-lb. drms.	lb.	3.25	—
Metanilate, bgs.	lb.	.41	Nom.
Metasilicate, anhyd., drms., c.l., works, frt. equalld.	100 lbs.	3.75	—
15 drms. and over, dlvd. N.Y.	100 lbs.	4.65	—
3-14 drms., same basis	100 lbs.	4.80	—
1-2 drms., same basis	100 lbs.	5.05	—
gran., bbls., c.l., works	lb.	2.35	—
10 bbls. and over, dlvd., N.Y.	lb.	3.10	—
1-9 bbls., dlvd. N.Y.	lb.	3.25	—
Molybdate, anhyd., kgs., works,	lb.	.47	—
Monohydrated, bbls.	100 lbs.	2.60	—
works	100 lbs.	2.30	—
Naphthionate, bbls.	lb.	.50	—
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment.	ton.	29.40	—
200-lb. bgs., same basis	ton.	28.70	—
bulk, same basis	ton.	27.00	—
Soda, nitrate, refd., gran., bbls., 10 tons	100 lbs.	2.50	—
1-9 tons	100 lbs.	2.65	—
smaller lots	100 lbs.	2.90	—
powd., bbls., 10 tons.	100 lbs.	3.50	—
1-9 tons	100 lbs.	3.65	—
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized	lb.	.06¾-	—
c.l., West Coast, f.o.b. ports.	lb.	.08 -	—
l.c.l.	lb.	.08¼-	.11½
Soda nitrite l.c.l. prices range represents delivery at various points.			
Orthosilicate, anhy., drms., c.l., works, frt. equal'd.	lb.	4.50	—
15 drms., and over, same basis.	lb.	5.45	—
3-14 drms., same basis.	lb.	5.60	—
1- 2 drms., same basis.	lb.	5.85	—
flake, drms., c.l., works.	100 lbs.	3.00	—
Oxalate, neut., bbls.	lb.	.42	—
kgs.	lb.	.44	—
Perborate, NF, bbls., c.l., works,	lb.	.14¾-	—
l.c.l., works	lb.	.15¼-	—
Pentachlorphenate briquets, single bgs., works	lb.	.26 -	—
70 lbs., bgs., works	lb.	.19½-	—
490 lbs., bgs., works	lb.	.17½-	—
powd., 100 lbs., bgs., works,	lb.	.19 -	—
500 lbs., bgs., works	lb.	.17 -	—
Phosphate, dibasic, anhyd., bgs., c.l., works	100 lbs.	5.40	—
l.c.l., works	100 lbs.	6.35	—
bbls., c.l., works	100 lbs.	5.60	-
l.c.l., works	100 lbs.	6.55	-

Soda Benzoate—Soda, Sal

Soda, phosphate, dibasic, cryst., tech., bgs., c.l., works,	100 lbs.	2.20	—
l.c.l., works	100 lbs.	2.80	-
bbls., c.l., works	100 lbs.	2.40	-
l.c.l., works	100 lbs.	2.80	-
monobasic, anhyd., bgs., c.l., works	100 lbs.	7.25	-
l.c.l., works	100 lbs.	8.00	-
bbls., c.l., works	100 lbs.	7.45	-
l.c.l., works	100 lbs.	8.20	-
tribasic, bgs., c.l., works	lb.	2.35	-
l.c.l., works	100 lbs.	2.75	-
bbls., c.l., works	100 lbs.	2.55	-
l.c.l., works	100 lbs.	2.95	-
kegs, c.l., works	100 lbs.	3.05	-
l.c.l., works	100 lbs.	3.45	-
USP (dibasic), bbls., drms., works	lb.	.08 -	.10
dried, bbls., drms., works	lb.	.11½-	.16
Picramate, kgs.	lb.	.65	-
Prussiate, yellow, bbls., 10,000 lbs. or more	lb.	.10½-	—
contracts	lb.	.09½-	—
smaller lots	lb.	.10¾-	—
contracts	lb.	.09¾-	—
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.	100 lbs.	5.10	-
l.c.l., same basis	100 lbs.	5.35	- 5.60
bbls., c.l., works, frt. equalized,	100 lbs.	5.30	—
l.c.l., same basis	100 lbs.	5.55	- 5.80
Ricinoleate, tech., bbls.	lb.	.12 -	—
Sal., bgs., dlvd. N. Y.	100 lbs.	1.20	-
works	100 lbs.	1.00	-
bbls., dlvd. N. Y.	100 lbs.	1.30	-
works	lb.	1.10	- 1.30

RCI Chemical Colors

C.P. Ferndale Greens

Among the most outstanding advantages formulators have found in using RCI's C.P. Ferndale Greens are their superior strength, lightfastness, cleanness and easy grinding qualities.

No C.P. (Nitrate) Chrome Greens currently available surpass the Ferndale shades in cleanness, brilliancy and lack of chalkiness in full tones or clarity and brightness in tints. All standards may be blended to intermediate colors which are clean and true to shade. Color change during drying has been reduced to a new low as have been reactivity, floating, pitting and seeding tendencies.

If you are not already familiar with the characteristics and specifications of RCI Ferndale Greens, write for more complete information. Samples will be promptly furnished on request.

RCI WORLD-WIDE DISTRIBUTION

REICHHOLD CHEMICALS, INCORPORATED

CHEMICAL COLOR DIVISION

Factory: BROOKLYN, N. Y. *General Offices:* DETROIT, MICH.

Soda, Salicylate—Talc

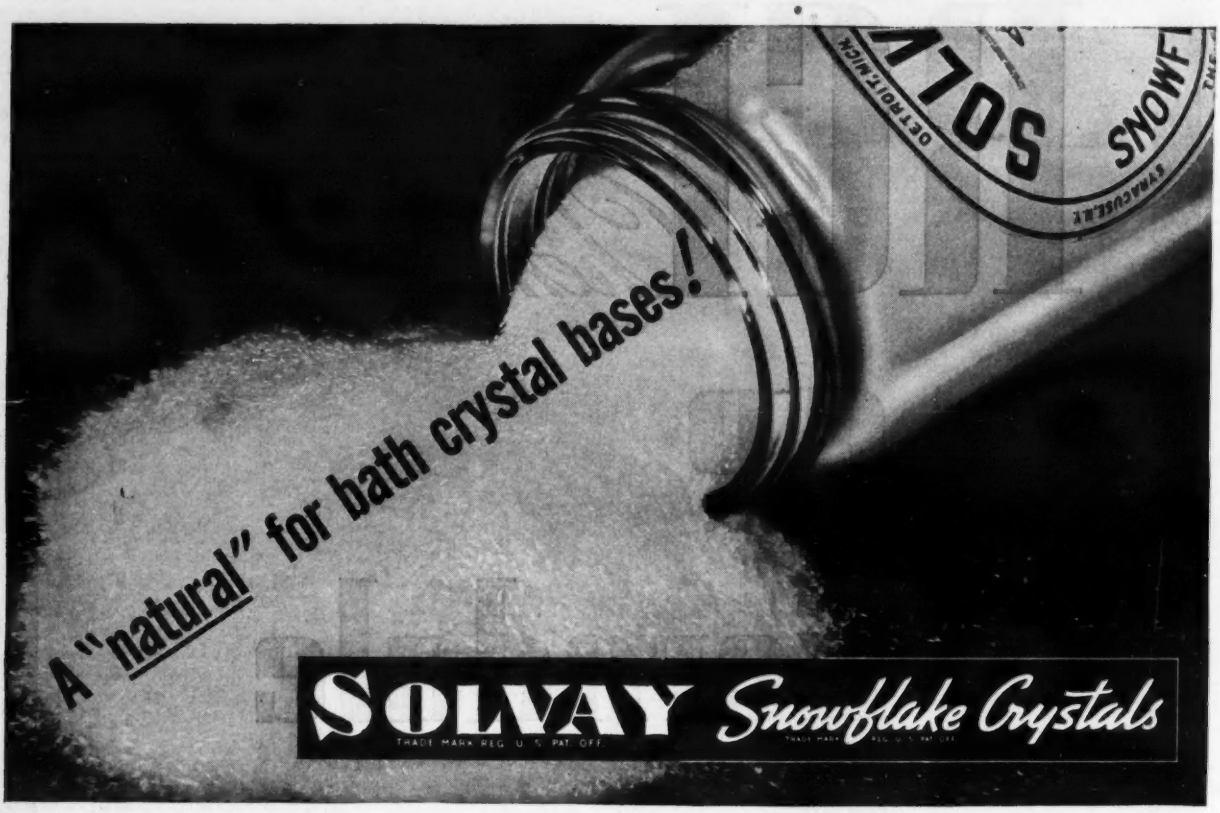
Soda, Salicylate, bxs.	lb.	.52	- —
Sesquicarbonate, bgs., c.l., works.	100 lbs.	1.50	- —
bbls., c.l., works.	100 lbs.	1.70	- —
bbls., l.c.l., Zone 1.	100 lbs.	2.70	- —
2	100 lbs.	2.85	- —.
3	100 lbs.	3.10	- —
4	100 lbs.	3.50	- —

Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.

Sesquisilicate, dms., c.l., works.	100 lbs.	2.90	- —
10 dms. or over, dlvd. N.Y.C.	100 lbs.	4.00	- —
1-9 dms.	100 lbs.	4.25	- —
Silicate, 40° turbid, dms., c.l., works.	100 lbs.	.80	- —
l.c.l., 5 or more, works,	100 lbs.	1.05	- —
1 to 4, works.	100 lbs.	1.20	- —
52°, dms., c.l., works.	100 lbs.	1.40	- —
l.c.l., 5 or more, works,	100 lbs.	1.65	- —
1 to 4, works.	100 lbs.	1.80	- —
Silicofluoride, dom., bbls.	lb.	.10	- .12
Stannate, dms.	lb.	.33½	- .36½
Stearate, lump, powd., bbls., works.	lb.	.19	- .24
Sulphate, anhyd., bgs., bbls., c.l., works.	100 lbs.	1.45	- 1.65
5 tons or over, works,	100 lbs.	1.70	- 1.90
less than 5 tons, works,	100 lbs.	1.95	- 2.15
cryst. (see Glauber's salt).			
Soda, sulphate, N.V. VI. exsiccated, pwd., bbls.	lb.	.07	- .07½
U.S.P. cryst., gran., bbls.	lb.	.10	- .10½
Sulphide, cryst., bbls., c.l., works.	100 lbs.	2.25	- —
l.c.l., 5 tons or over, dlvd.,	100 lbs.	2.75	- —
less than 5 tons, dlvd.,	100 lbs.	3.00	- —
solid, bbls., c.l., works.	100 lbs.	3.00	- —
l.c.l., 5 tons or over, dlvd.,	100 lbs.	3.50	- —
less than 5 tons, dlvd.,	100 lbs.	3.75	- —
Sulphite, cryst., bgs., 100 lbs., works.	lb.	2.10	- 2.35
bbls.	100 lbs.	2.30	- 2.55
powd., bbls., c.l.	100 lbs.	5.25	- —
l.c.l., 5 or more	100 lbs.	5.50	- —
1 to 4	100 lbs.	6.00	- —
Sulphocarbolate, gran., bbls., dms.	lb.	.26	- .29
Sulphocyanide, dms., cns.	lb.	.28	- .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works.	lb.	.05¼	- —
l.c.l., works.	lb.	.06	- —
single dm. lots, works.	lb.	.08	- —
tanks, works.	lb.	.04½	- —
flake, 70-72%, dms., c.l., works,	lb.	.04½	- —
l.c.l., works.	lb.	.05	- —
Sulphoricinoleate, bbls.	lb.	.12	- —
Thiosulphate (see Hyposulphite).			
Tungstate, CP, kgs.	lb.	No prices	
tech., kgs.	lb.	No prices	
Solvent, naphtha, dms., wks.	gal.	.31	- —
tanks, E. of Omaha, frt. alld.,	gal.	.26	- —
Solvent, naphtha, W. Coast, f.o.b. Minnequa, Colo.	gal.	.26	- —
high-flash, dms., works.	gal.	.31	- —
tanks, E. of Omaha, frt. alld.	gal.	.26	- —
Sorbitol, com'l, dms., c.l., works,	lb.	.14¾	- —
ton lots, contracts, works,	lb.	.15¼	- —
smaller lots, works.	lb.	.15¾	- —
Soybean meal, 41-44%, bgs.	ton.	33.70	- —
protein, bgs., c.l., works.	lb.	.11½	- —
l.c.l., works.	lb.	.11¾	- .15
Sparteine sulphate, cns.	oz.	4.00	- 4.25
Spearmint leaves, bls.	lb.	.28	- .20
Spikenard root, bls.	lb.	.16	- .17
Spruce extract, reg., bbls., c.l., works.	lb.	.01⅝	- —
tanks, works.	lb.	.01½	- —
powd., super, bgs., c.l., works,	lb.	.04	- —
super, bbls., c.l., works.	lb.	.01¼	- —
tanks, works.	lb.	.01⅛	- —
Squawvine, leaves, bls.	lb.	.14	- .15
Squill, red, powd.	lb.	1.25	- 1.30
White, bls.	lb.	.40	- .42
powd., bbls., bxs.	lb.	.50	- .52
St. Ignatius beans, bgs.	lb.	.45	- .46
St. John's Bread, edible, bls.,	lb.	.15	- .20
inedible, bls.	lb.	.09	- .10
Starch, corn, pearl, bgs., f.o.b. Chicago.	100 lbs.	3.10	- —
dlvd., N. Y.	100 lbs.	3.45	- —
powd., bgs., f.o.b. Chicago.	100 lbs.	3.80	- —
dlvd., N. Y.	100 lbs.	3.55	- —
Starch, potato, dom., bgs., c.l.	lb.	.05¼	- —
l.c.l.	lb.	.06¼	- —
import, bgs.	lb.	No prices	
Rice, bbls.	lb.	.07½	- .08½
Sweetpotato, bgs.	lb.	.06¼	Nom.
bbls.	lb.	.07	Nom.
Wheat, thick, boil, bgs.	lb.	.05	- —
Starch, iodide, bots.	lb.	1.87	- —
Staveacre, seed, bgs.	lb.	.35	- .40
Stearin, oleo.	lb.	.09¾	- .10
Stillingia root, bls.	lb.	.07½	- .08
Stoneroot, bls.	lb.	.07½	- .08
Storax, cs.	lb.	1.80	- 1.85
Stramonium leaves, bls.	lb.	.45	- .50
Strontium bromide, cns.	lb.	.52	- .55
Carbonate, NF, IV, 250-lb. bbls.	lb.	No prices	
tech., 90-100%, precip., bbls.,	lb.	.25	Nom.
Chloride, tech., bbls.	lb.	.20	- .22
Iodide, bots., 5 lbs.	lb.	3.00	- —
jars, 25 lbs.	lb.	3.00	- —
Nitrate, dom., bbls., c.l., works,	lb.	.07¾	- —
25 bbls. and over.	lb.	.08¼	- —
1-24 bbls. and over.	lb.	.08¾	- —
Strophanthus seed, Kombe, bgs.	lb.	3.75	- 4.00
Stroyl acetate, bots.	lb.	3.10	- 3.20
Strychnine, cryst., cns., 100-oz. lots.	oz.	.80	- —
Acetate, 25-oz. cns., 100-oz. lots.	oz.	.79	- —
Arsenate, 25-oz. cns., 100-oz. lots.	oz.	.82	- —
Arsenite, 25-oz. cns., 100-oz. lots.	oz.	.79	- —
Glycerophosphate, 25-oz. cns., 100-oz. lots.	oz.	.80	- —
Hydrochloride, 25-oz. cns., 100-oz. lots.	oz.	.79	- —
Hypophosphite, 25-oz. cns., 100-oz. lots.	oz.	.91	- —
Nitrate, 25-oz. cns., 100-oz. lots.	oz.	.78	- —
Phosphate, 25-oz. cns., 100-oz. lots.	oz.	.80	- —
Sulphate, cryst., cns., 100-oz. lots.	oz.	.50	- —
powd., cns., 100-oz. lots.	oz.	.40	- —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works.	lb.	.55	- —
denat., bbls., l.c.l., works.	lb	.45	- —
tech., bbls., l.c.l., works.	lb.	.40	- —
Sugar coloring, bbls.	gal.	.75	- 1.45
Milk, bbls. c.l.	lb.	.18	- —
l.c.l., 10 or over.	lb.	.19	- —
less than 10.	lb.	.20	- —
Sulfaquanidine, 3.5-gm. bot.,	doz.	3.50	- —
4-oz. bots.	ea.	8.10	- —
1-lb. bots.	ea.	30.00	- —
Sulfanilamide, 5 lbs., bots.	lb.	1.70	- —
fib. dms., 1,000 lbs., 1 delivery,	lb.	1.25	- —
100 lbs.	lb.	1.30	- —
25-lb. lots.	lb.	1.45	- —
Sulfapyridine, powd., for hospitals, 5-gram bots.	ea.	.50	- —
Sulfathiazole, 5-gm., bot.	ea.	.42	- —
Sesquicarbonate, 5-gm. bot.	ea.	.42	- —
Sulphonethylmethane, kgs.	lb.	6.75	- 6.80
Sulphonmethane, kgs.	lb.	5.25	- —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts.	long ton.	16.00	- —
f.o.b. steamers, Gulf ports, contract.	long ton.	17.50	- —
Flowers, USP, bgs., c.l., mine,	100 lbs.	2.80	- —
l.c.l., mine.	100 lbs.	3.35	- —
bbls., c.l., mine.	100 lbs.	3.15	- —
l.c.l., mine.	100 lbs.	3.70	- —
Flour, comm'l, bgs., c.l., mine,	100 lbs.	1.40	- —
l.c.l., mine.	100 lbs.	1.95	- —
Refined, cast, bgs., c.l., mine,	100 lbs.	1.95	- —
l.c.l., mine.	100 lbs.	2.50	- —
heavy, USP, bgs., c.l., mine,	100 lbs.	2.35	- —
l.c.l., mine.	100 lbs.	2.90	- —
bbls., c.l., mine.	100 lbs.	2.70	- —
l.c.l., mine.	100 lbs.	3.25	- —
light, USP, bgs., c.l., mine,	100 lbs.	2.45	- —
l.c.l., mine.	100 lbs.	3.00	- —
bbls., c.l., mine.	100 lbs.	2.80	- —
l.c.l., mine.	100 lbs.	3.35	- —
lump, bgs., c.l., mines.	100 lbs.	1.95	- —
l.c.l., mine.	100 lbs.	2.50	- —
bbls., c.l., mine.	100 lbs.	2.10	- —
l.c.l., mine.	100 lbs.	2.65	- —
roll, bgs., c.l., mine.	100 lbs.	2.15	- —
l.c.l., mine.	100 lbs.	2.70	- —
bbls., c.l., mine.	100 lbs.	2.30	- —
l.c.l., mine.	100 lbs.	2.85	- —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld.	100 lbs.	2.00	- —
refined, 100%, bgs., c.l., frt. alld.	100 lbs.	2.85	- —
Chloride, 55-gal. dms., c.l.	lb.	.03	- —
l.c.l., dms., works.	lb.	.04	- —
10-gal. dms., c.l.	lb.	.07	- —
l.c.l.	lb.	.08	- —
Dioxide, liquid, com'l, cyls., works.	lb.	.07	- .09
multi-unit, cars, works.	lb.	.04½	- .07
tanks, works.	lb.	.04	- .06
refrigeration, cyls, works.	lb.	.16	- .40
multi-unit cars, works.	lb.	.07½	- .10
Iodide, bots., jars.	lb.	3.90	- 4.05
Precipitated, USP, bbls.	lb.	.17	- .22
Sumac, grd., Sicilian, f.a.s.	ton.	No prices	
leaf, f.a.s.	ton.	No prices	
Extract, 42°, bbls.	lb.	.06	- .06¼
51°, bbls.	lb.	.07	- .07¼
stainless, bbls.	lb.	.09	- .11
Berries, bgs.	lb.	.10	- .12
Sunflower seed, Calif., large, bgs.,	lb.	.06¾	- .07¼
medium, bgs.	lb.	.06	- .06¼
poultry, Argentine.	lb.	.05	- .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto.,	ton.	8.50	- —
run-of-pile, basis 16%, bulk, same basis.	ton.	8.00	- —
triple, 40-48%, a.p.a., bulk, f.o.b. Balto.	unit-ton.	.68	- —

T

Talc., dom., Calif., 1, bgs., c.l., mills.	ton.	20.00	- —
2, bgs., c.l., mills.	ton.	17.00	- —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills.	ton.	14.00	-16.00
l.c.l., mills.	ton.	16.00	-18.00
96-98%, 325 mesh, c.l., mills,	ton.	15.00	-17.00
l.c.l., mills.	ton.	17.00	-19.00
99.85-99.95%, 325 mesh, bgs., c.l., mills.	ton.	15.25	-17.25
l.c.l., mills.	ton.	17.25	-19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills.	ton.	17.00	-19.00
coarse, off color, bgs., c.l., mills.	ton.	11.00	-13.00
Aluminum, flake, type grd., bgs., c.l., mills.	ton.	21.00	- —
l.c.l., mills.	ton.	24.50	- —
Vermont, bgs., c.l., mills.	ton.	14.00	- —
l.c.l., ex whse.	ton.	25.00	- —
imp., Canad., bgs., c.l., mills,	ton.	No prices	
French, high-grade, bgs., l.c.l., ex whse.	ton.	No prices	
ordinary, bgs., c.l., ex dock, arrival.	ton.	No prices	
l.c.l., ex whse.	ton.	No prices	



SNOWFLAKE is a *natural.* . . . It's "made-to-order" for bath crystal bases. . . . It's a made-to-order salesman, too. . . . For once Snowflake is made up and packed in transparent packaging, its own natural beauty helps get your product across.

As the perfect bath crystal base, Snowflake offers you all these advantages. Check them against the base you are using now:

1. **BEAUTIFUL** crystalline appearance!
2. **EFFECTIVE** water softening properties!
3. **READY** solubility!
4. **STABILITY** — non-caking and unchanged chemical composition or physical appearance!

Send in the coupon.

5. **MILDNESS**—non-irritating to the skin!
6. **DETERGENT** properties—aids the soap!
7. **ABSORBS** dyes readily!
8. **EXCELLENT** vehicle for perfumes!
9. **FREE-FLOWING** properties make it ideal for use in filling machines!
10. **LOW COST!**

There's a natural for you, with utility and sales appeal built right into the product! *Remember:* Snowflake *softens* the water, *does not harden it!* WRITE FOR BULLETIN No. 224-B—"Manufacture of Bath Crystals from Snowflake Crystals."

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

60th ANNIVERSARY 1881 • 1941

SOLVAY SALES CORPORATION • 40 Rector Street, New York, N. Y.

Gentlemen: Kindly send me a copy of your Bulletin No. 224-B—"How to Manufacture Bath Crystals from Snowflake Crystals."

Name.....

Affiliated with.....

Address.....

City..... *State*..... AG-641

Talc, Italian, 1, bgs., ex dock, arrival	ton.	No prices	
ex whse	ton.	No prices	
2, bgs., ex dock, arrival	ton.	No prices	
Tallow, extra, loose	lb.	.07¾-	—
special, loose	lb.	.07⅝-	—
sulphonated, 35% (24% fat), dms., c.l.	lb.	.05 -	—
l.c.l.	lb.	.06 -	—
50% (43% fat), dms., c.l.	lb.	.06½-	—
l.c.l.	lb.	.07½-	—
50% (48% fat), dms., c.l.	lb.	.07 -	—
l.c.l.	lb.	.08 -	—
Tamarind, No. 1, bbls.	lb.	.06 -	.07
kegs	keg.	6.00 -	8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y.	unit-ton.	3.00 &	.10
10-11% ammon., 15% b.p.l., bulk, basis Chi.	unit-ton.	2.75 &	.10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y.	unit-ton.	3.10 &	.10
high-grade, bulk, Chicago	unit-ton.	3.50 &	.10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments	unit-ton.	2.75	Nom.
Tansy leaves, bls.	lb.	.22 -	.25
Tapioca flour, bgs.	lb.	.05 -	.06
Tar acid oil, 15%, dms., c.z., works	gal.	.22 -	—
l.c.l., same basis	gal.	.24 -	—
25%, dms., c.l., works	gal.	.25 -	—
l.c.l., same basis	gal.	.27 -	—
Tar, pine, retort, dms., c.l., divd. E. cities	gal.	.27 -	—
ports	gal.	.26 -	—
l.c.l.	gal.	.27 -	—
tanks, divd. E. cities	gal.	.21 -	—
Tarragon herb, bgs.	lb.	1.20	Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more,	lb.	.44¾-	—
less than 5	lb.	.45 -	—
USP, powd, bbls.	lb.	.50 -	—
Terebene, cms.	lb.	.90 -	.92
Terpinyl acetate, cns.	lb.	.80 -	.85
Terpin hydrate, bbls., dms.	lb.	.60 -	.65
Terpineol, CP, cns.	lb.	.30 -	—
dms.	lb.	.27 -	—
alpha, denat. grade, dms., c.l., wks., net wgt.	lb.	.17 -	—
Terra alba (see Gypsum).			
Tetrachloroethane, dms., wks.	lb.	.08 -	.08½
Tetrachloroethylene, CP, dms.	lb.	.21½-	—
tech. (see Perchloroethylene).			
Tetralin, dms.	lb.	.19 -	—
Tetrasodium pyrophosphate (see soda pyrophosphate).			
Thallium sulphate, 99% pure, bots., works.	lb.	5.00 -	7.00
Theobromine, 5-lb. cns.	lb.	3.00	Nom.
Sodiosalicylate, dms.	lb.	2.05 -	—
Thiamine hydrochloride, bots., cns.	gram.	.65 -	.90
Thiocarbanilide, dms.	lb.	.24 -	—
Thorium, nitrate, cs., works	lb.	2.00 -	—
Thyme, French, bls.	lb.	.65 -	.67
Spanish, bls.	lb.	.20 -	.21
Thymol, dms., 100 lbs.	lb.	1.50 -	—
cns., 25 lbs.	lb.	1.55 -	1.60
Iodide, kgs., 50 lbs.	lb.	3.40 -	—
25 lbs.	lb.	3.50 -	—
Timbo root (see Cube root).			
Tin, chloride (ous), anhyd.	lb.	.48 -	.48½
Crystals, bbls., bgs.	lb.	.39 -	.39½
Metal, Straits	lb.	.52¼-	—
Oxide, bbls.	lb.	.55 -	.57
Tetrachloride, anhyd., bbls.	lb.	.27½-	.28¼
Titanium, dioxide, bgs., c.l., (20 tons)	lb.	.13½-	—
l.c.l., 5 tons, single delivery.	lb.	.13¾-	—
1,000-9,999 lbs.	lb.	.14 -	—
50-999 lbs.	lb.	.14¼-	—
under 50 lbs.	lb.	.16¼-	—
bbls., c.l. (20 tons)	lb.	.13¾-	—
l.c.l., 5 tons, single delivery.	lb.	.14 -	—
1,000-9,999 lbs.	lb.	.14¼-	—
50-999 lbs.	lb.	.14½-	—
non-chalking, bgs., c.l. (20 tons).	lb.	.15½-	—
l.c.l., 5 tons, single delivery.	lb.	.15¾-	—
1,000-9,999 lbs.	lb.	.16 -	—
50-999 lbs.	lb.	.16¼-	—
under 50 lbs.	lb.	.18½-	—
bbls., c.l. (20 tons)	lb.	.15¾-	—
l.c.l., 5 tons, single delivery.	lb.	.16 -	—
1,000-9,999 lbs.	lb.	.16¼-	—
50-999 lbs.	lb.	.16½-	—
chalk-resistant, bgs., c.l. (20 tons)		.14 -	—
l.c.l., 5 tons, single delivery.	lb.	.14½-	—
1,000-9,999 lbs.	lb.	.14½-	—
50-999 lbs.	lb.	.14¾-	—
under 50 lbs.	lb.	.17 -	—
bbls., c. l. (20 tons)	lb.	.14¼-	—
l.c.l., 5 tons, single delivery.	lb.	.14½-	—
1,000-9,999 lbs.	lb.	.14¾-	—
50-999 lbs.	lb.	.15 -	—
barium or magnesium base, bgs., c.l. (20 tons)	lb.	.05½-	—
l.c.l.	lb.	.05¾-	—
under 50 lbs.	lb.	.06½-	—
bbls., c.l. (20 tons)	lb.	.05¾-	—
l.c.l.	lb.	.06 -	—
calcium base, bgs., c.l. (20 tons).	lb.	.05¼-	—
l.c.l.	lb.	.05½-	—
under 50 lbs.	lb.	.06¼-	—
bbls., c.l. (20 tons)	lb.	.05½-	—
l.c.l.	lb.	.05¾-	—
calcium-rutile base, bgs., c.l. (20 tons)	lb.	.05¼-	—
l.c.l	lb.	.05½-	—
under 50 pounds	lb.	.06¼-	—
bbls., c.l. (20 tons)	lb.	.05½-	—
l.c.l.	lb.	.05¾-	—

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs.	lb.	.96 -	—
Tolu, balsam, cns.	lb.	.85 -	.95
Toluidin, mixed, dms.	lb.	.26 -	—
Toluol (toluene), 2° indus., dms., returnable	gal.	.32 -	—
tanks, E. of Omaha, frt. alld.,	gal.	.27 -	—
tanks, W. Coast, f.o.b. Minnequa, Colo.	gal.	.27 -	—
1° nitration, dms., returnable,	gal.	.33½-	—
tanks, E. of Omaha, frt. alld.,	gal.	.28½-	—
W. Coast, f.o.b. Minnequa, Colo.	gal.	.28½-	—
Tonga vine, F, bls.	lb.	.65 -	.70
root, bls.	lb.	.65 -	.70
Tonka beans, Angostura, cks.	lb.	2.40 -	2.50
Brazilian, Surinam, cs.	lb.	.70 -	.85
Triacetin, dms.	lb.	.26 -	—
Triamyl borate, dms., l.c.l., works,	lb.	.27 -	—
Triamylamine, l.c.l., works.	lb.	.90 -	—
Tributylamine, l.c.l., dms., works,	lb.	.70 -	—
Tributyl citrate, ton lots, 475-lb. dms.	lb.	.24 -	—
smaller lots	lb.	.32 -	—
Phosphate, dms., l.c.l., divd.	lb.	.47 -	—
cns., works	lb.	.51 -	—
Trichlorobenzene, dms., c.l., frt. alld.	lb.	.07 -	.08
l.c.l., same basis	lb.	.07½-	.08½
tanks	lb.	.06½-	.07½
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1.	lb.	.08 -	—
l.c.l., same basis	lb.	.08½-	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½-	—
l.c.l., same basis	lb.	.09 -	—
Zone 3, c.l., works, frt. alld.,	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09 -	—
l.c.l., same basis	lb.	.09½-	—

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Is., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, (Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

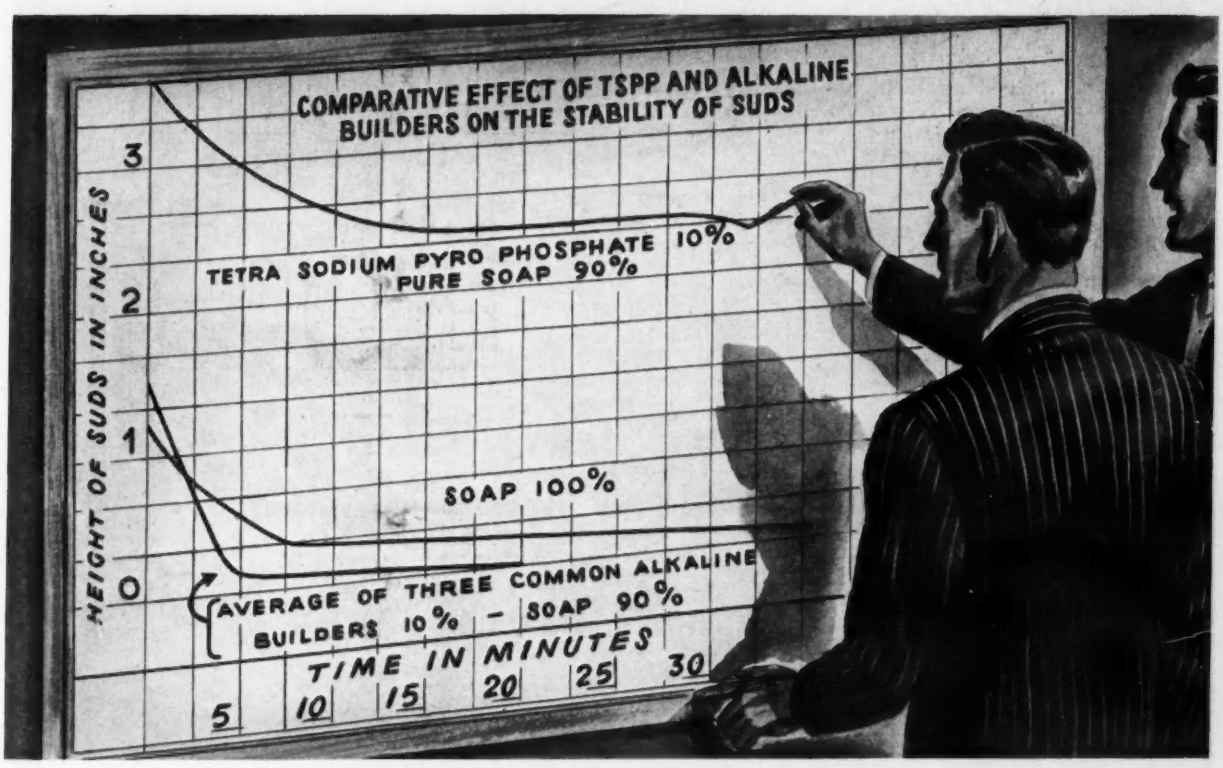
Tricresyl phosphate, CP, cns., divd.	lb.	.40¼-	.51¼
dms., c.l., divd.	lb.	.34½-	.37½
Tricresylphosphate, tech., dms.	lb.	.22 -	.23
500 lbs., dms.	lb.	.22½-	.25½
less than 500 lbs.	lb.	.25½-	.30½
Triethanolamine, dms., c.l., works,	lb.	.19 -	—
l.c.l., works	lb.	.20 -	—
tanks, works	lb.	.18 -	—
Triethylamine, dms., l.c.l., works,	lb.	1.05 -	—
Triethyl citrate, ton lots, 500-lb. dms.	lb.	.24 -	—
smaller lots	lb.	.32 -	—
Triethyl phosphate, dms., divd.,	lb.	.45 -	—
Triethyleneglycol, dms., l.c.l., works.	lb.	.26 -	—
Trimethyl phosphate, cns.	lb.	.54 -	.56
dms., divd	lb.	.50 -	—
Trimethylamine, dms., c.l., divd.,	lb.	.85 -	—
l.c.l., divd	lb.	.90 -	
Triphenyl phosphate, dms.	lb.	.38 -	—
Tripoli, air-floated, bgs., c.l., works.	ton.	26.00 -	—
double grd., bgs., c.l., works,	ton.	16.00 -	—
once-grd., bgs., c.l., works.	ton.	14.50 -	—
Trisodium phosphate (see Soda phosphate, tribasic).			
Tungsten metal powd., 90%, dms., works.	lb.	No prices	
Oxide, CP, kgs.	lb.	No prices	
Chem. grade, kgs.	lb.	No prices	
Turmeric root, Alleppey, bgs.	lb.	.08½	Nom.
Madras, bgs.	lb.	.07¾-	.08
Turpentine, spirits, gums, bbls., c.l., ex dock.	gal.	.48¾-	—
l.c.l., 10 ex dock	gal.	.50¾-	—
5 ex dock	gal.	.52¾-	—
Turpentine, wood, dest., dist., dms., c.l., divd. E. ports.	gal.	.35 -	—
l.c.l.	gal.	.36 -	—
tanks, divd. E. cities	gal.	.36 -	—
steam-dist., dms., c.l., divd.	gal.	.42 -	—
l.c.l., divd.	gal.	.45 -	—
tanks, divd.	gal.	.37 -	—

U

Unicorn root, false (see Helonias root). True (see Aletris root).			
Uranium oxide, black, kgs.	lb.	2.55 -	—
yellow, kgs.	lb.	1.65 -	—
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans.	ton.	85.00 -	—
l.c.l., 5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del.	ton.	85.00 -	—
smaller lots, f.o.b. Newark, New York, Philadelphia,	ton.	91.00 -	—
any quantity, f.o.b. Belle, W. Va.	ton.	85.00 -	—
import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship.	ton.	No prices	

★ *Here's How to Make* ★

BETTER SOAP-POWDERS AND CLEANERS



TSPP IMPROVES SOAP-CUTS COSTS

THE unusual combination of properties gives Du Pont T S P P many advantages over other products commonly used with soap or alkalies.

When you can offer customers a combination soap that gives three times as much suds as pure soap—and at less cost—you have a real sales story and a real saving.

The chart above shows the superior sudsing *power* and *stability* of T S P P as compared to alkaline builders. T S P P also *prevents the formation of sticky scum, prevents iron stains, improves rinsing, is mild enough for cleaning delicate fabrics and will not harm the hands.*

T S P P adds most of these advantages to alkaline cleaners. In particular is its *ability to disperse and suspend dirt, solubilize and disperse iron compounds* and its *water softening action.*

Because it costs less by doing more it will pay you to include Du Pont T S P P in your soap and cleaner formulas. Additional information will be found in the new Du Pont T S P P bulletin. Write for your copy today. (On your company letterhead, please) E. I. du Pont de Nemours & Company (Inc.), Grasselli Chemicals Department, Wilmington, Delaware.

DU PONT
REG. U.S. PAT. OFF.

TETRA SODIUM PYROPHOSPHATE

Urea—Yellow, Mer. Oxide

Urea, import, 40% nitrogen, smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.ton.57.40 - —
bags, same basis.....ton.59.40 - —
45% N., tanks, f.o.b. Belle, W. V., or Atl., Gulf ports, ton.121.38 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton.127.00 - —
Uva ursi leaves, bls.....lb. .16 Nom.

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .42 - .43
Valonia, beards, bgs., f.a.s...ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works..lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins..lb.11.00 Nom.
Mexican, tins.....lb.10.50 Nom.
cuts, tins.....lb. 9.50 Nom.
South American, tins.....lb.10.50 Nom.
Tahiti, tins.....lb. 5.25 - 5.50
Oleoresin, bots.....lb.20.00 -20.25
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
Vanillin, ex guaiacol, 25-lb. tins, lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
ex lignin, 25-lb. tins.....lb. 2.50 - —
5-lb. tins.....lb. 2.55 - —
1-lb. tins.....lb. 2.65 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .25 - —
dms., c.l., 30,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

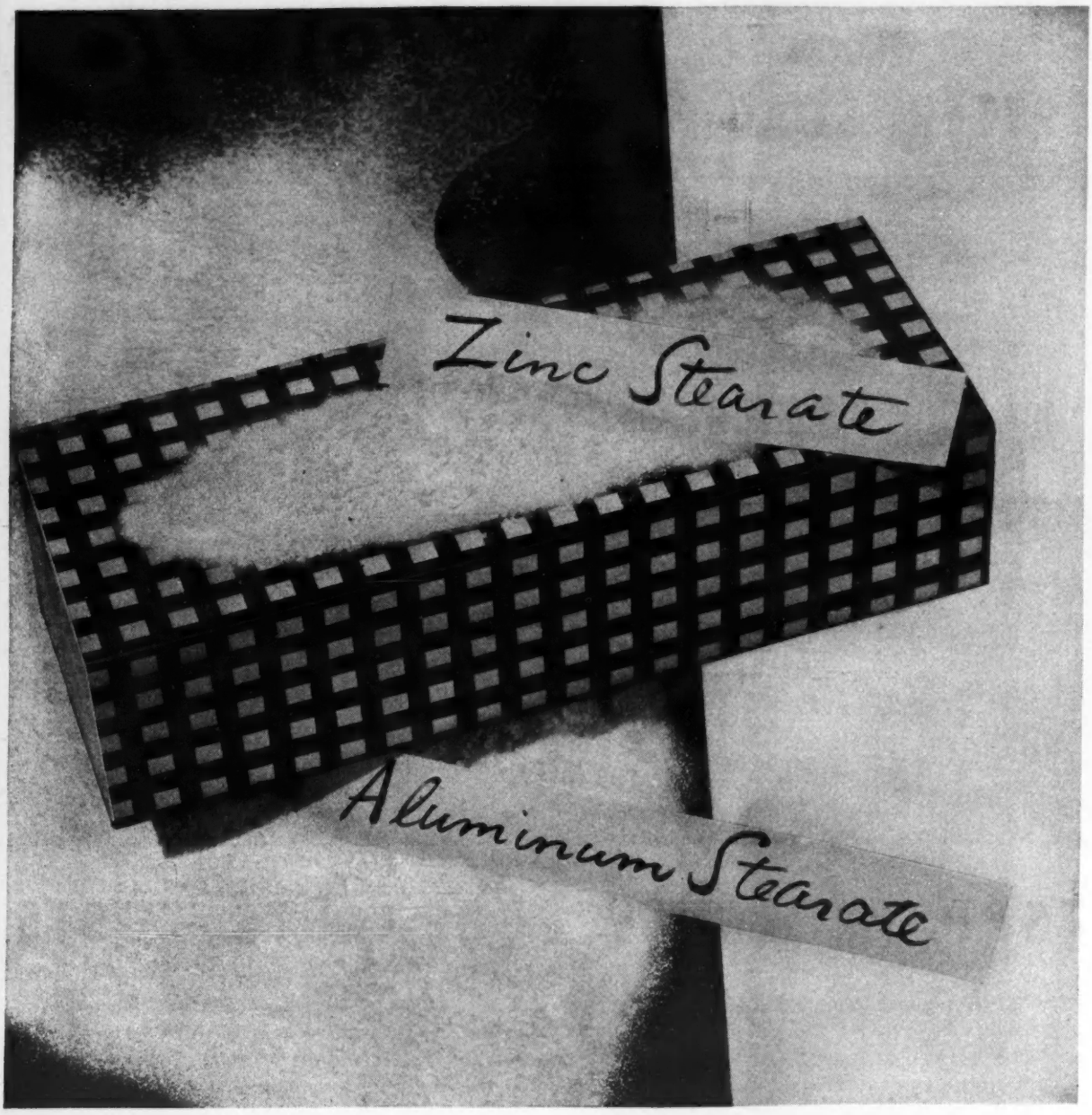
Wahoo bark, bls.....lb. .40 - .41
tree.....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton.39.50 -41.50
Extract, solid, bgs.....lb. .04½- .04¼
liquid, tanks.....lb. .05 - —
bbls.....lb. .05¾- —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .26 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, blanch, slabs, cs., lb. .38 - .40
cake, cs.....lb. .39 - .41
discs, cs.....lb. .40 - .42
Wax, bees, yellow, crude, Africa, 10-bg. lots..lb. .30 Nom.
1 bg.....lb. .30½ Nom.
Brazil, bgs., 5-ton lots.lb. .30 - .31
1 ton.....lb. .30½- .31½
500 lbs.....lb. .31 - .32
100 lbs.....lb. .31½- .32½
refd., slabs, cs., lbs.....lb. .35 - .36
Candelilla, bgs., 1 ton.....lb. .22 - .22½
jobbing, lots.....lb. .22½- .23
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .62 - .63
5 bgs.....lb. .62½- .63½
1 bg.....lb. .63 - .64
N. C., 2, bgs., 1 ton.....lb. .68 - .69
N. C., 3, bgs., 1 ton.....lb. .64 - .65
5 bgs.....lb. .64½- .65½
1 bg.....lb. .65 - .66
refined, bgs.....lb. .69 - .70
yellow, No. 1, bgs., ton....lb. .73 - .74
5 bgs.....lb. .73½- .74½
1 bg.....lb. .74 - .75
No. 2, bgs.....lb. .72 - .73
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton..lb. .11 - .11½
jobbing lots.....lb. .12 - .12½
150°-160° m.p., bgs., 1 ton.lb. .13 - .13½
jobbing lots.....lb. .14 - .14½
160° m.p., bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .15 - .15½
Japan, cs.....lb. .18 - .18½
Montan, bgs., c.l.....lb No prices
5 tons.....lb. No prices
less than 1 ton.....lb. No prices
Ouricury, refined, bgs.....lb. .65 - .70
Ozokerite, hard, green, congeal, p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb. No prices
74°-76° C., bgs.....lb. No prices
Wax, ozokerite, snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .24 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls..lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more..lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works.ton.16.00 -20.00
l.c.l., works.....ton.18.00 -22.00
bbls., c.l., works.....ton.19.00 -24.00
l.c.l., works.....ton.21.00 -26.00
pap. bgs., c.l., works..ton.15.00 -18.00
l.c.l., works.....ton.17.00 -20.00
wet-grnd., blp. bgs., c.l., works..ton.18.50 -22.50
l.c.l., works.....ton.19.00 -23.00
bbls., c.l., works.....ton.21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton.18.00 - —
l.c.l., works.....ton.19.00 - —
bbls., c.l., works.....ton.20.00 -21.00
l.c.l., works.....ton.21.00 -22.00
pap. bgs., c.l., works.ton.17.00 -18.50
l.c.l., works.....ton.18.00 -19.00
extra bolted, blp. bgs., c.l., works..ton.20.00 - —
l.c.l., works.....ton.21.00 - —
bbls., c.l., works.....ton.22.00 -23.00
l.c.l., works.....ton.23.00 -24.00
pap. bgs., c.l., works..ton.19.00 -20.50
l.c.l., works.....ton.20.00 -21.00
Paris white, blp. bgs., c.l., works, ton.19.00 - —
l.c.l., works.....ton.20.00 - —
bbls., c.l., works.....ton.22.50 -27.50
l.c.l., works.....ton.22.00 -28.00
pap. bgs., c.l., works..ton.19.60 -25.10
l.c.l., works.....ton.20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton.10.10 - —
200 mesh, paper bgs., c.l., same basis..ton. 9.35 - —
90%, 200 mesh, paper bgs., c.l., same basis..ton. 7.00 - —
gilders, bgs. (extra), c.l., works, ton.11.50 - —
l.c.l., 8-20 tons, works..ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., c.l., works, ton.12.50 - —
l.c.l., 8-20 tons, works.ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
precipitated, bgs., c.l., works, ton.15.00 - —
l.c.l., 5 tons, works...ton.20.00 - —
smaller lots, works..ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
rossed, bls.....lb. .05 - .06
thin, natural, bls.....lb. .07 - .08
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .40 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton.24.00 -25.00
80 mesh, same basis.....ton.26.00 -28.00
100 mesh, same basis.....ton.30.00 -32.00
Import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .70 - .75

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
8°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.45 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York..lb. .30 - —
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis.....lb. .18 Nom.
Cadmium, CP, import., bxs..lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis.lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .13½- —
open order.....lb. .14½- —
Chrome yellow CP prices are ¼c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.57 - —
smaller lots.....lb 2.59 - —



THE final character of any stearate depends upon the quality of both the metallic oxide and the stearic acid used in its making. But the stearic acid is the primary factor in controlling the quality of the finished product. Only high quality Witco Stearic Acids are used in the production of Witco Stearates. The result is that they are not only exceptionally pure, but of an even, fluffy texture, free from all traces of "greasy" lumps. Wishnick-Tumpeer will gladly assist you in the selection of the correct stearates for your particular purposes—zinc, aluminum, magnesium and calcium.

WISHNICK-TUMPEER, INC.

MANUFACTURERS AND EXPORTERS

New York, 295 Madison Ave. • Boston, 141 Milk St. • Chicago, Tribune Tower • Cleveland, 616 St. Clair Ave., N. E. • Dallas, Texas, 610 Dallas National Bank Building • Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company • Panhandle Carbon Company • Foreign Office, London, Eng.

BUY DIRECT AND PROFIT DIRECTLY

Yellow, ocher, Amer., golden A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03¾- —
yellow A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01½- —
H, bbls., works.....lb. .01⅜- —
French, all shades, cks, c.l., ex dock, Balto., Boston, N. Orleans for import, lb. .02475 Nom.
New York (f.o.b.)..lb. .02⅝ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02575 Nom.
New York.....lb. .02¾ Nom.
Phila., for import...lb. .02¾ Nom.
Portland, Seattle....lb. .03½ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03⅝ Nom.
New York.....lb. .03 Nom.
Pittsburgh.....lb. .03¼ Nom.
Portland, Seattle....lb. .03⅝ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02⅞ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y., lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .16 - —
open order.....lb. .16 - —
Navy specifications type, contracts..lb. .16 - —
open order.....lb. .16 - —
Yellow dock root, dom., bls....lb. .17 - .18
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .09 - —
Yohimbine hydrochloride, viz..oz. 3.00 - 3.50

Z

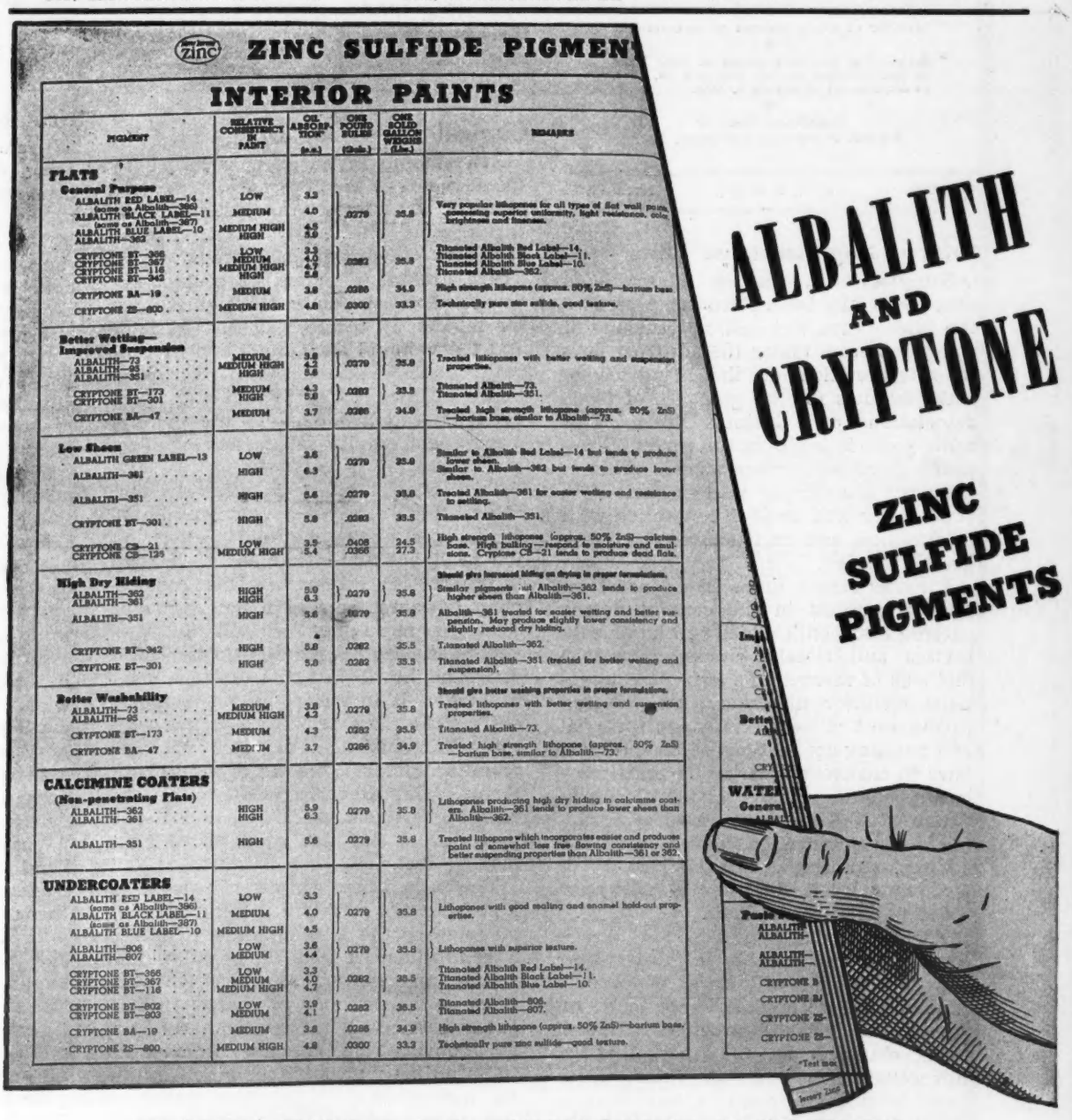
Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., dlvd.lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran, dms., c.l., works. 100 lbs. 5.00 - —
l.c.l., dms., works...100 lbs. 5.75 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works. lb. .0290- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., dlvd.....lb. .09¼- —
l.c.l., bbls., dlvd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars.....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
leaded, 5%, bgs., c.l., dlvd. lb. .06⅝- —
l.c.l., dlvd., except Pac. cst..lb. .06⅝- —
ex whse., Pac. cst..lb. .06⅝- —
bbls., c.l., dlvd...lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
35%, bgs., c.l., dlvd.....lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd...lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
50%, bgs.. c.l., dlvd., except Pac. cst..lb. .06 - —
Pac. cst..lb. .0606- —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst..lb. .06¼- —
bbls., c.l., dlvd., except Pac. Cst..lb. .06½- —
ex whse., Pac. cst..lb. .06½- —
French process, com'l, lead free, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst..lb. .06¾- —
bbls., c.l., dlvd..lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .07 - —
ex whse., Pac. cst..lb. .07 - —
green seal, bgs.. c.l., dlvd., lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst., lb. .06½- —
bbls., c.l., dlvd.....lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst..lb. .08¾- —
Zinc, oxide, French process, red seal, bgs., c.l., dlvd..lb. .07¾- —
lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst..lb. .08 - —
bbls., c.l., dlvd.....lb. .08 - —
l.c.l., dlvd., except Pac. cst..lb. .08¼- —
ex whse., Pac. cst..lb. .08¼- —
white seal, bgs., c.l., dlvd.lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst..lb. .09 - —
bbls., c.l., dlvd..lb. .09 - —
l.c.l., dlvd., except Pac. cst..lb. .09½- —
ex whse., Pac. cst..lb. .09¼- —
imported, gold seal, cks., ex whse..lb. No prices
green seal, bbls., ex whse., lb. No Prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 Nom.
Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .22 - —
l.c.l., 1 ton.....lb. .23 - —
1,000-2,000 lbs.....lb. .24 - —
less than 1,000 lbs..lb. .25 - —
USP, bbls.....lb. .25 - .27
Zinc, sulphate, cryst., bgs., c.l.. 100 lbs. 3.00 - —
l.c.l. .....100 lbs. 3.75 - —
bbls., c.l.....100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
flake, bgs., c.l.....100 lbs. 3.35 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.50 - —
l.c.l. .....100 lbs. 4.25 - —
powd., bgs., c.l.....100 lbs. 4.70 - —
l.c.l. .....100 lbs. 5.45 - —
bbls., c.l.....100 lbs. 4.85 - —
l.c.l. .....100 lbs. 5.60 - —
Sulphide, bgs., c.l., (20 tons), dlvd..lb. .07¾- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08 - —
bbls., c.l., 20 bbls., c.l., (20 tons), dlvd..lb. .08 - —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .08¼- —
barium, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
calcium pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05½- —
magnesium pigment, bgs., c.l., dlvd..lb. .05½- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb. .05¾- —
Sulphocarbolate, NF, bbls., dms..lb. .24 - .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.35 - —

Yellow Ocher—Zirconium

Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05¼- —
l.c.l., dlvd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .05¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the June 2 issue; the next printing will be in the July 7 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 39.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160 FRONT ST., NEW YORK

Oil, Paint & Drug Reporter

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Vol. 139 June 9, 1941 Number 23

Interpreting Antitrust Laws

Some seven months ago an article in OIL, PAINT AND DRUG REPORTER presented the informative and instructive value of consent decrees under the antitrust laws in interpretation of the mandates of those statutes for the guidance of trade associations and business firms. This same point is made in the currently appearing article on the economic value of properly functioning trade associations. It is a point well made in connection with information and instruction which are greatly needed.

For this reason there is a general industrial interest in the consent decree entered last month which revolutionarily revises and closely circumscribes the methods of marketing inorganic nitrogenous fertilizer materials. This decree covers most of the specially controversial and puzzling applications of the antitrust laws to customary marketing practices—basing points, agency relations, classification of customers, restrictions of supply, price-stabilization, allocation of territories, and others. For this reason it is a commentary of real use to all who must respect the antitrust laws.

The application of this consent decree to its particular purpose in the fertilizer nitrogen trade will have widespread fundamental effects. It is not to be assumed that all the practices enjoined have obtained in the marketing of nitrogenates, or that all those which have been usual were in any manner effected by concerted action. But, the direct mandate of the decree is sufficient in certain respects to bring new schedules into existence. Its eventual effects in relation to supply and demand when current extraordinary conditions shall have been ended, albeit now largely conjectural, present a problem that must be studied in the, not new, but somewhat clearer light of the decree's language. This is a problem which is posed for every industry by rapidly developing trends in the relations of government and business. So, the nitrogen decree (see page 5) is imperatively required reading for all who would lead business to satisfactory perpetuity.

Federal Rule for Oil

Appointment of a Federal coordinator for the petroleum industry was to have been expected. It should be a useful step. There is room for coordination of many governmental defense activities and the serving of domestic needs for oil. It will be well that the coordinating pressure be not all applied to the petroleum industry.

The new law which permits vessels of foreign registry to engage in Coastwise operations may lift to some degree the handicap laid on the petroleum industry by the transferal of tankers to the service of Great Britain. Some useful coordinating can be done in that direction.

And in the proper study of the serious problem of petroleum transportation it will be well to consider that much time and probably some money could be saved by buying idle tankers from other nations instead of building transcontinental pipelines.

—O-P-D—

Clinical Proof for Drugs

Attributable in no small measure to the demands of the latest food, drug, and cosmetic act, interest in research is growing steadily and vastly among manufacturers of medicinal preparations. There are other causes, of course, because pharmacal manufacturing has gone far in and by research in this century, and the value of such study and investigation and experimentation is perennially attested by more and still more important contributions to the *materia medica* and to its satisfactory application.

The novel statutory requirement that new drugs receive governmental approval before being marketed is, perhaps, the most potential stimulant of interest in pharmacal research. This requirement, of course, smacks of state medicine somewhat more than the law's other provisions about what may be claimed for a drug and how. But, the drug industry has taken it in stride, merely stepping out a little more briskly to depart from the testimonial and to catch up with scientific factual evidence of therapeutic virtue. Official correspondence in new drug applications indicates that this stepping out is still not wholly free from lagging feet.

However, a new picture of research as a probing, not merely a proving, is being accepted by the drug industry. There is a trend to depart from the postulating of results and getting somebody to O.K. them in the direction of clinical investigation carried on by investigators of unquestionable qualifications. "Doctors use it" is no longer a convincing declaration for manufacturers, and the public is coming to know that even among doctors there is a substantial difference between use and usefulness.

This in part officially mandated turning to research that will stand governmental testing has brought qualified clinics an eager and anxious clientele, some of whom, according to reports to medical and pharmacal conventions, expect far more than they proffer in the way of valuable contribution to the healing arts. There is apparently a broad belief that clinics have evidence ready to use on almost any known drug in almost every known disease.

There is, however, in the drug industry enough high understanding of research—its purpose and its procedure—to give the industry high rank in scientific endeavor. This merit is spreading rapidly as leaders in the industry become able to translate their beliefs into action. It is here that there is yet adequately to be learned the fact that good research is worth at least as much as the testimonial of a popular entertainer. It is also to be learned that good research cannot be led, will not accept presumptions, and has no readymade findings.

As has been said within a few weeks past by several of the best reputed clinical investigators in this country, the fundamental need in the developing through medical research of better service for the public by way of the drug manufacturer is mutual confidence. The manufacturer must desire that the clinician find and tell him the whole truth. The investigator must be wholly free in his mind from doubt of the manufacturer's objective.

—O-P-D—

Broaden the Interest

To make an annual meeting of a trade association satisfactorily and comprehensively representative of the thinking of the members is a difficult task. One of the hardest parts of this arises from the reluctance or diffidence of the members to express their thoughts when the program of the meeting is being prepared and when it is being carried out.

It is not difficult to understand this attitude in the latter circumstance: most businessmen, especially the clearer, more progressive thinkers, are likely to get a bad attack of "buck ague" when they attempt to say what they think in open meeting. They are not accustomed to thinking out loud in a crowd. The general reason why association members do not contribute ideas to the preparation of a convention program is that they are not usually given adequate opportunity to do so.

As it is with what they have to say, so it is also with what they want to know when it comes to getting association members to speak out in meeting. Neither inclination nor opportunity is sufficiently developed; sometimes because of lack of time; often for other reasons.

Various methods of overcoming these handicaps are applied by association leaders as a matter of course. Recently there has been a fair measure of success with the quiz method, especially when the posing of questions is properly stimulated in advance of the meeting. The American Pharmaceutical Manufacturers Association has used this method on a gradually increasing scale, beginning with an information symposium last year and carrying the idea through the interim conferences on sales and advertising. An ambitious endeavor is now being arranged for the annual meeting in Swampscott two weeks hence.

The success of this method of numerically increasing interest in the proceedings of a meeting depends in no small measure on its handling. It is not enough that the responding "experts" be learned in their lines; there must be some dramatization of the matter—but that can very easily be overdone. Especially is proper handling important when the procedure is reversed with the purpose of eliciting individual views on timely topics. This too is best arranged by collecting them in writing in advance.

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Heavy Chemicals

Sharp Advances in Chromic Acid and Lead Acetate Prices —Prolonged Coast Strike Keeps Potash Derivatives Tight — Standard Packings for Refined Sulphur Revised

An advance in the prices for chromic acid, lead acetate provided the outstanding feature to the market for heavy chemicals last week. The rising raw material costs directly attributed to the advance, and gives some indication what may be expected as the time approaches for third quarter contract adjustments. The heavy buying movement lost none of its momentum as civilian and defense requirements mounted. Sellers found it increasingly difficult to make prompt deliveries. The tight domestic situation prevented any large amount of export business, while prices in the outside market continued to advance.

A strike on the Pacific Coast of one of the leading potash producers entered its twelfth week. The stoppage of shipments of important raw materials such as muriate continued to have its affect on the various potash salts, particularly carbonate and caustic potash. However, a great deal of the tension has been removed when other domestic producers stepped up operations to take care of the deficiency.

One leading producer announced extension of refined sulphur prices. However, due to the scarcity of obtaining burlap, effective July 1, the standard package for certain grades in the future will be in smaller paper bags and that burlap bags will only be supplied at a slight premium over the paper bags. The smaller packing is confined to commercial flour, rubber-makers' sulphur and dusting sulphur.

Alums.—Shipments steady. Prices firm.

Alumina Sulphate. — Interest good, while prices rule firm.

Ammonia, Anhydrous.—Defense and civilian needs absorbing output; market position strong and prices firm.

Ammonia, Aqua. — Active inquiry, with market tightening. Prices firm.

Ammonia Bicarbonate. — Trading routine. Prices underwent no change.

Ammonia Bifluoride. — Selling restricted. Quotations remain firm.

Ammonia Nitrate. — Brisk demand. Market in firm position.

Ammonia Persulphate. — Moderate buying. Prices rule firm.

Ammonia Silicofluoride.—Offerings limited. Prices firm. Resale 15c. to 20c. per pound.

Ammonia Sulphocyanide.—Increased domestic output supplying all needs. Prices firm.

Ammoniac, Sal.—Shipments steady. Market displayed firm tone.

Antimony Metal. — Domestic spot price unchanged. Routine interest.

Antimony Oxide. — Prices without change, and withdrawals fairly steady.

Arsenic.—Good inquiry, and market strong. Resale 5¼c. per pound.

Barium Salts.—Shipments of carbonate running behind; steady demand for chloride; hydrate position tight; good inquiry for nitrate. Prices remain firm.

Bleaching Powder.—Steady demand against contracts. Market firm.

Calcium Acetate.—Business restricted. Prices unchanged and firm.

Calcium Chloride. — Active buying. Prices underwent no change.

Carbon Bisulphide. — Withdrawals heavy and prices display firmness. March exports 758,878 pounds.

Carbon Tetrachloride.—Demand exceeds supplies. Prices firm.

Chlorine. — Shipments continue to fall behind. Quotations unchanged and tone firm.

Cobalt Oxide.—Business confined to regular channels. Prices rule firm.

Copper.—Metal placed on mandatory priority basis, with allocations to be made among competing civilian demands. Refiners required to reserve pool equal to 20 percent of April output for emergency needs. Prices remain the same.

Copper Salts.—Selling is restricted. Prices firm.

Copper Sulphate.—Shortage continues with business allocated. Prices firm.

Fluorspar.—Demand steady. Prices underwent no change.

Lead Acetate. — Effective June 2, prices advanced 1c. per pound for all grades, reflecting higher production costs. Interest steady.

Lime.—Demand steady. No change occurred in the prices.

Magnesite. — Inquiries active, with market position firm.

Manganese Dioxide.—Business confined to regular contract consumers. Prices firm.

Nickel Salts. — Priority established on metal limits production and output allocated among regular trade.

Phosphorus. — Offerings of red limited. Small lots Japanese 80c. per pound.

Potash Carbonate. — Market tight, selling confined to usual consumers for normal needs. Prices firm.

Potash, Caustic.—Selling restricted. Demand steady. Prices unchanged. Resale 9½c. per pound.

Potash Chlorate. — Steady demand from usual channels. Small lots Japanese 40c. to 45c. per pound.

Potash Metabisulphite — Supplies limited. Demand moderate. Resale 23c. per pound.

Potash Permanganate. — Selling to regular consumers only for normal needs adhered to. Prices firm.

Saltcake.—Demand sufficient to absorb available supplies and market position satisfactory. Prices firm.

Saltpeter.—Business steady. Market position remains firm.

Price Changes

Advanced

Acid, chromic, 1c. per lb.
Lead acetate, 1c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
159.4	158.2	158.2	150.8

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Manufacturing Chemists Ass'n, June 5-6, Skytop, Pa.
Insecticide, Disinfectant Mfrs., June 9-10, Chicago.

Soda Acetate.—Withdrawals heavy and tight situation prevails.

Soda Ash.—Buying broad. Prices underwent no change. March exports 13,460,027 pounds.

Soda Bicarbonate. — Commitments moderately active, and prices firm. March exports 2,594,969 pounds.

Soda Bifluoride.—Market firm and buying steady.

Soda, Caustic.—Shipments good, and market position strengthening. Prices unchanged. March exports 16,973,207 pounds.

Soda Chlorate.—Steady inquiry from regular consumers. Prices firm.

Soda Cyanide. — Demand active. Pricewise a firm tone prevailed.

Soda Hydrosulphite. — Offerings limited. Demand steady. Prices firm. Resale 22c. to 23¾c. per pound, with little offered.

Soda Metasilicate.—Shipments steady. Prices displayed no change.

Soda Nitrate.—Market firm, with buying well sustained.

Soda Phosphate. — Demand good. Market position strong. March exports 826,533 pounds.

Soda Pyrophosphate.—Situation tightening. Prices hold the same.

Soda Silicate. — Purchases remain broad, and market firm. March exports 1,128,448 pounds.

Soda Silicofluoride.—Offerings limited. Shipments delayed. Outside prices range from 12c. to 15c. per pound.

Soda Stannate. — Buying steady. Prices unchanged and tone firm.

Soda Sulphate, Anhydrous.—Market tight. Selling confined to regular channels. Prices firm.

Soda Sulphide.—Shipments steady. Resale 4c. to 4¼c. per pound.

Sulphur, Refined.—Prices for various grades were extended by one leading producer. Packings for certain grades, however, will be changed. Complete schedule will be found on page 31.

Tin Salts.—Quotations for various tin derivatives held firm. Business steady. Straits metal quoted at 52¼c. per pound. World tin production in April totaled 17,100 long tons, against 21,900 in March, according to the International Tin Research and Development Council.

Zinc Sulphate.—Shipments steady against contracts. Prices rule firm.

Acids

An advance in chromic acid prices by one leading producer provided the outstanding development in the market for mineral acids last week. While no other changes took place, the situation was firm. Inquiries were active in a number of basic materials, and sellers were limiting business to take care of all regular contract consumers. Acetic acid remained in heavy demand; shipments of formic were steady. A broad demand prevailed for mixed, nitric and muriatic acids. Selling of oxalic was restricted, and prices in the resale market continued to advance for the few scattered offerings. Sulphuric shipments moved steadily against contracts.

Acetic.—Offerings limited. Demand heavy. Resale, glacial, 18c. to 19c. per pound in barrels. March exports 1,122,624 pounds.

Battery.—Shipments steady. Prices firm.

Chromic. — One producer advanced prices 1c., making car lots, delivered, 16¼c.; less car lots range from 16¾c. to 18¼c. per pound. March exports 224,941 pounds.

Formic. — Active inquiry. Shipments steady. Prices firm. Resale, 18c. per pound, ex carboys.

Gallic.—Business moderate. Prices failed to change.

Hydrofluoric.—Market position firm and buying steady.

Lactic.—A good volume of business passed against contracts. Prices without change.

Mixed.—Active inquiry. Prices rule firm.

Muriatic.—Demand broad. Prices display firmness. March exports 570,500 pounds.

Nitric.—Brisk demand. Prices held firm. March exports 4,141 pounds.

Oxalic. — Selling limited. Resale, 33c. to 34c. per pound.

Phosphoric.—Buying routine. Prices unchanged and firm.

Sulphuric.—Shipments moved steadily against contracts. Market underwent no change and tone was firm.

—Continued on page 31

Copper Industry Control Ordered by Stettinius

Copper today was added to the list of vital defense metals under mandatory, industry-wide control. The new control is provided in a general preference order signed by E. R. Stettinius, jr., director of priorities, who said the action was made necessary by a shortage of copper which is expected to become worse during 1941. At the same time, a civilian allocation program for copper was issued by Leon Henderson, Administrator, Office of Price Administration and Civilian Supply.

Available figures indicate that the total supply of refined copper in this country during 1941 will range between 1,340,000 and 1,470,000 short tons. Total military and civilian requirements, however, are estimated at about 1,810,000 short tons, thus indicating an overall shortage for the year of from 340,000 to 470,000 short tons.

International Nickel Output Sold 'Far Into Future'

The International Nickel Company is sold out "far into the future" and current demand is 50 percent greater than supply, Harold Searle, manager of technical sales for the company, declared last week at the meeting of the Sales Executive Club of New York in the Hotel Roosevelt. His topic was "Keeping Customers Friendly Despite Slow Deliveries and Inability to Fill Orders."

Mr. Searle reported that his company is calling upon its salesmen to keep customers friendly toward the company, despite their inability to get supplies from it. Salesmen are instructed to point out that customers must share with International the responsibility of doing a big job for national defense.

Chemical Salesmen to Golf

The Salesmen's Association of the American Chemical Industry will hold its initial golf tournament of the season at the Bonnie Briar Country Club, Larchmont, N. Y., June 10. Eighteen prizes instead of the usual ten will be awarded. P. J. LoBue, of Joseph Turner & Co., Ridgefield, N. J., is in charge of arrangements and reservations.

T.N.T. Plant in Tenn.

OPD Washington Bureau
June 3, 1941

The War Department today authorized the expenditure of $39,000,000 for construction of T.N.T. plant in Chattanooga, Tenn.

Trade Briefs

Slick-Shine Company, manufacturer of polishing fluids, Newark, has purchased a three-story factory in that city.

Household Chemical Sales, Inc., Queens county, has filed a certificate at Albany changing its corporate name to Polio Laboratories, Inc.

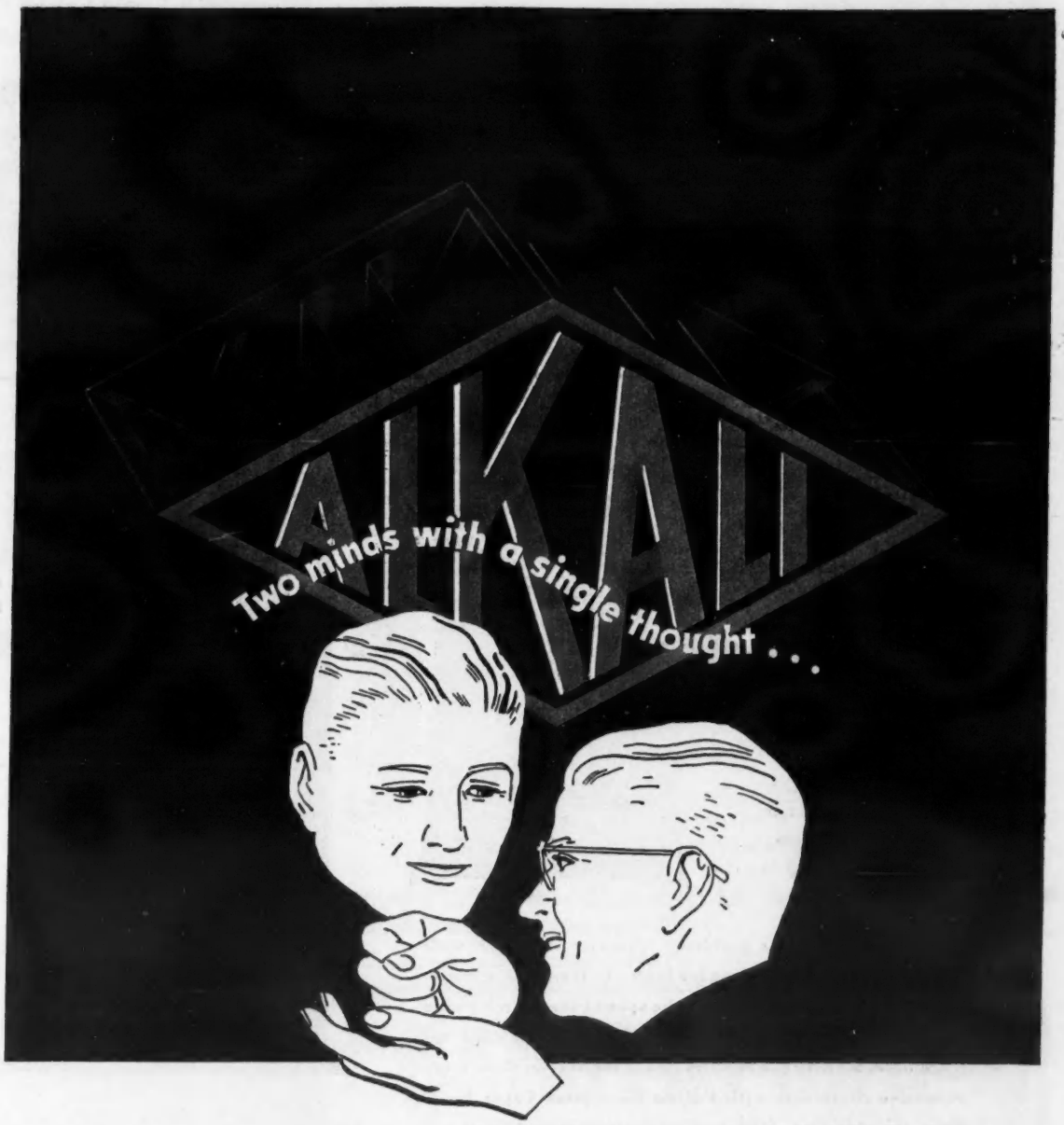
Charles A. Buerk, president of the Buffalo Electro-Chemical Company, has been elected first vice-president of the Buffalo Chamber of Commerce.

Carbon bisulphide will be produced by Cornwall Chemicals, Ltd., an associate of Canadian Industries, Ltd., at a new $300,000 plant in Cornwall, Ont.

Ruberoid Company, manufacturer of rubber products, has named to the directorate Walter G. Cowan of New York and Louis Herscovitz of Chicago.

Inter-Continent Chemical & Mechanical Supplies, Inc., this city, has filled a certificate of voluntary dissolution with the New York Secretary of State.

Carnegie-Illinois Steel Corporation, Pittsburgh, will resume operations at its Shenango tinplate plant, New Castle, Pa., on June 16. The plant has been closed since 1939.



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2 • High Toxicity for both undeveloped and adult insect life, under widely varying conditions.
3 • Non-Flammable over a wide range of concentration far beyond those used in practice.
4 • High Penetration so that every portion of the room and contents will be reached.
5 • Low Absorption and Adsorption — so slight it will not be a factor. No residual odor or taste.
6 • Quick acting.
7 • Non-Corrosive to metals.
8 • Adaptability to a wide range of products, including tender food and plant products.
9 • Convenience — Packed in 1 lb. to 120 lb. quantities. Easy to apply.
10 • Economy as compared to other fumigants in amounts required to give comparable results.

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(Full 35% Metallic Copper Content)

NICHOLS COPPER SULPHATE
TRADE MARK TRIANGLE BRAND REG. U. S. PAT. OFF.
99% + PURE

Packed in latest type waterproof bags of 100 lbs. and new, clean barrels of 450 lbs. net for full protection during transit and storage. Monohydrated packed in refillable, removable-top drums, *copper painted, can be shipped anywhere.*

COPPER OXIDE (Red) • NICKEL SULPHATE

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Refiners of Electrolytic Copper
Offices: 40 Wall Street, New York, N. Y. 230 N. Michigan Ave., Chicago, Ill.

Heavy Chemicals

Acids

—*Continued from page* 29

March exports, excluding fuming, 1,936,973 pounds.

Baltimore, June 4.—Conditions in the market for sulphuric acid are stated to remain unchanged, with the producers not yet in a position to realize their expectations of obtaining advances over the nominal figures of $12 per ton for 60-degree and $15 per ton for 66-degree acid.

Insecticides

Business remained fairly steady in the market for agricultural insecticides and fungicides last week. The situation in the Northeast was aided considerably by the arrival of heavy rains, which for a time threatened to bring about extensive crop damage. Conditions in other sections of the country, however, were favorable. The market experienced no price changes, with the tone firm.

Calcium Arsenate.—Inquiries and shipments remain satisfactory. Prices unchanged and tone firm.

Lead Arsenate.—A firm tone characterized the trading, with trend tending upward. Business moderately active.

Paradichlorobenzene. Interest fairly steady. Prices failed to change.

Stauffer Revises Packings for Sulphur

Because of the scarcity of obtaining burlap, the Stauffer Chemical Company announces that effective July 1, the standard package for certain grades of sulphur in the future will be 50-lb. paper bags and that burlap bags, either paperlined or unlined, will only be supplied at a slight premium over the 50-lb. paper bag price. The smaller package does not apply to all grades, but is mainly confined to commercial flour, rubbermakers' sulphur and dusting sulphur. In recent years there has been a trend to the smaller package since it has been preferred by many sulphur buyers. The basic prices for refined sulphur remain unchanged.

	Per 100 lbs. f.o.b. N.Y.	Freeport.
Agricultural dusting sulphur 99½% 98-100% through 325 mesh—		
50-lb. paper bags	$2.05	$1.85
100-lb. paperlined burlap bags	2.15	1.95
Flowers, U.S.P.—		
100-lb. paperlined burlap bags	3.00	2.80
Barrels	3.35	3.15
Light refined flour, U.S.P.—		
100-lb. paperlined burlap bags	2.65	2.45
Barrels	3.00	2.80
Heavy refined flour, U.S.P.—		
100-lb. paperlined burlap bags	2.55	2.35
Barrels	2.90	2.70
Refined roll—		
Burlap bags	2.35	2.15
Barrels	2.50	2.30
Lump U.S.P.—		
Burlap bags	2.15	1.95
Barrels	2.30	2.10
Cast U.S.P.—		
Barrels	2.15	1.95
Commercial rubbermakers', 99½% pure—		
50-lb. paper bags, frt. alld.	2.00	
150-lb. paperlined burlap bags, frt. alld.	2.10	
Barrels, frt. alld.	2.35	
Refined rubbermakers'—		
50-lb. paper bags, frt. alld.	2.35	
150-lb. paperlined burlap bags, frt. alld.	2.45	
Barrels, frt. alld.	2.70	
Commercial flour, 99½% pure—		
50-lb. paper bags	1.60	1.40
100-lb. unlined burlap bags.	1.65	1.45
100-lb. paperlined burlap bags	1.70	1.50
Barrels	1.95	1.75

Union Carbide Unit Plans Plant Near Portland, Ore.

The Electro-Metallurgical Company, a unit of the Union Carbide & Carbon Corporation, plans the completion of an electric furnace works in the St. John's district, Portland, Ore., about February 1, when it will begin production of calcium carbide and ferro-alloys and alloying metals for use in the steel and nonferrous industries and military transport industries. The company has signed a contract for the purchase of 13,000 kilowatts of Columbia River power with the Bonneville Power Administrator.

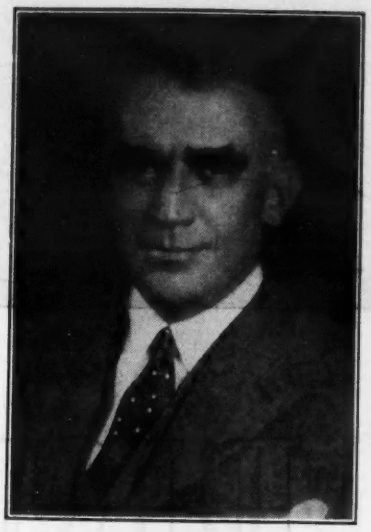
Latchford Glass Company is erecting an addition to its factory at 7507 Roseberry avenue, Los Angeles, Calif. The new structure will cover an area of 20 x 181 feet and will cost $4,000.

M.C.A. Discusses Chemical Defense

—*Continued from page* 3

son, 608 Woodward building, Washington.

Executive committee chairman, H. L. Derby, of the American Cyanamid & Chemical Company, New York; August Kochs, of Victor Chemical Works, Chicago; Clyde D. Marlatt, of the Martin Dennis Company, Newark, N. J.; Charles S. Munson, of the Air Reduction Company, New York; T. P. Walker, of the Commercial Solvents Corporation, Terre Haute, Ind.



Charles Belknap
Re-elected Second Vice-President

H. L. Derby
Chairman M.C.A. Executive Com.

Chemical Corporation, New York.

Other members of the executive committee, E. M. Allen, of Mathieson Alkali Works, New York; Leonard T. Beale, of the Pennsylvania Salt Manufacturing Company, Philadelphia; William B. Bell, of the American Cyanamid Company, New York; Russell H. Dunham, of the Hercules Powder Company, Wilmington, Del.; C. F. Hosford, jr., of the Pennsylvania Coal Products Company, Petrolia, Pa.; H. O. C. Ingraham, of the General

Warrren N. Watson
Executive Secretary

J. W. McLaughlin
Re-elected Treasurer

The Year's Activities

A summary of the association's various activities during the past year was presented by H. L. Derby as chairman of the executive committee. The committee's review, printed for the memerbship, was as follows:—

Since last June, the effects of the second World War have exercised increasing domination over the world economy. Today, most of Continental Europe is under Axis control and the Nazis alone have demanded and received tribute in an amount exceeding $4,000,000,000 per year from the conquered and occupied nations of Europe. In the Far East, the southward movement of the Japanese through China and Siam is approaching the East Indies with their strategic sources of rubber, oil, quinine, and tin.

It has been exceedingly fortunate for our national welfare and security during this critical period that we have had a self-contained chemical industry in the United States. With the cutting off of foreign supplies by blockade and embargo, it has been possible for our industry to supply the country's normal peacetime requirements without serious disturbance to the consuming industries. On this occasion, we wish to pay tribute to the leaders of the chemical industry who during the difficult period of 1915 to

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COPPER NAPHTHENATE
For control of MOLD, FUNGUS DRY ROT, MILDEW TERMITES
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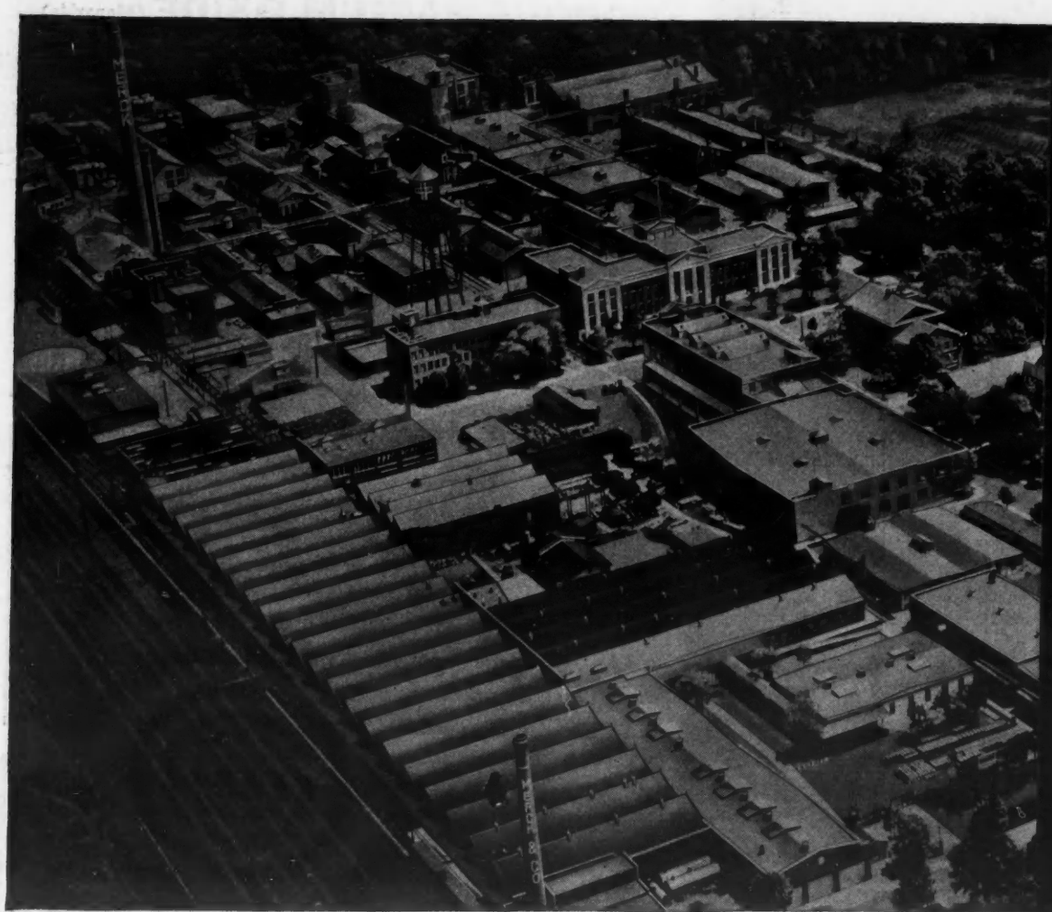
BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE CREAM OF TARTAR : SULPHURIC ACID : CAUSTIC SODA WHITING : TARTARIC ACID : LIQUID CHLORINE : SULPHUR TEXTILE STRIPPER : CARBON BISULPHIDE
Stauffer CHEMICALS
STAUFFER CHEMICAL COMPANY 420 LEXINGTON AVE., NEW YORK 424 Ohio Bldg. Akron, Ohio Carbide and Carbon Bldg. Chicago 624 California St. San Francisco, Cal.

☆☆ MERCK BISMUTH



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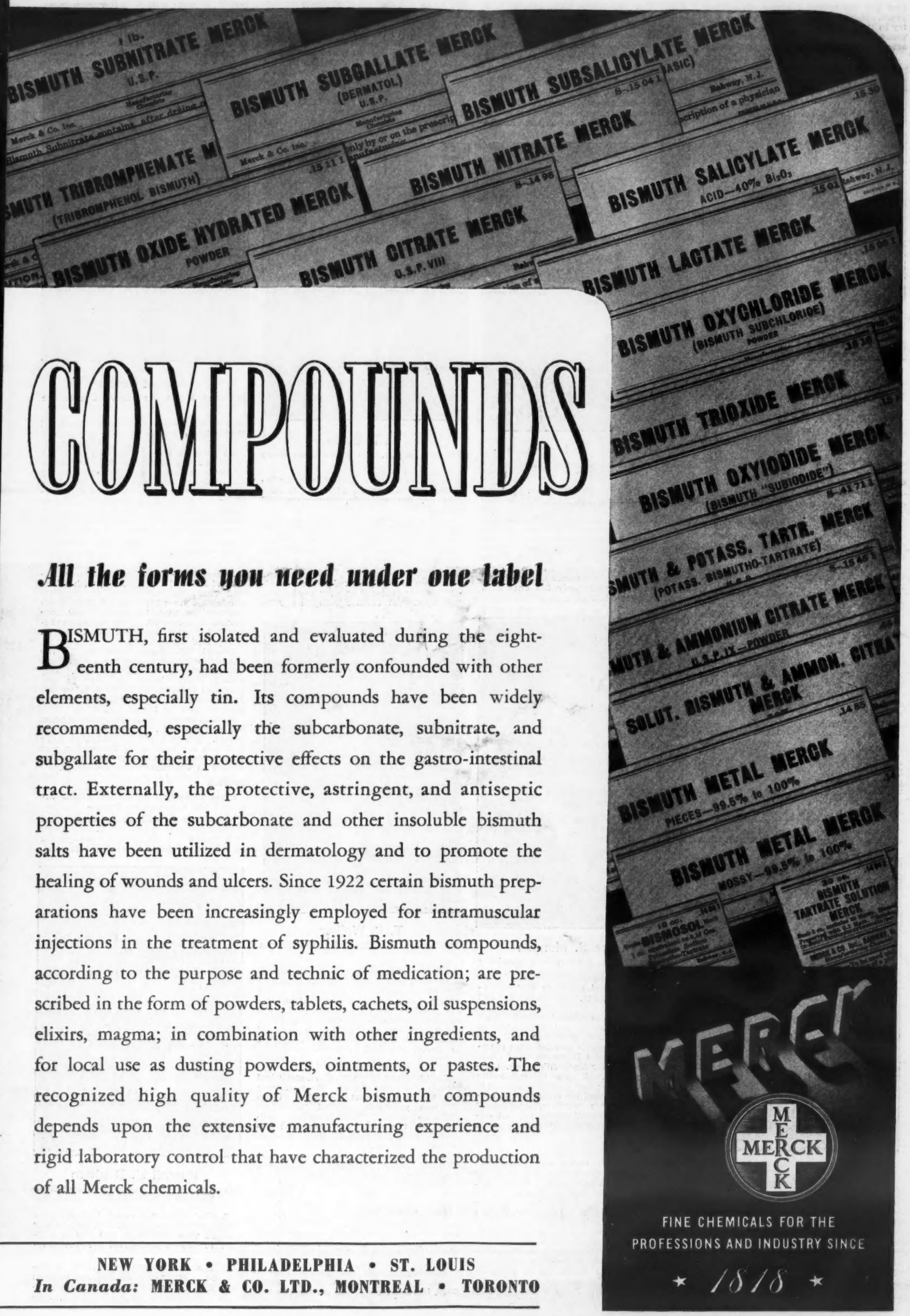

COMPOUNDS

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BISMUTH, first isolated and evaluated during the eighteenth century, had been formerly confounded with other elements, especially tin. Its compounds have been widely recommended, especially the subcarbonate, subnitrate, and subgallate for their protective effects on the gastro-intestinal tract. Externally, the protective, astringent, and antiseptic properties of the subcarbonate and other insoluble bismuth salts have been utilized in dermatology and to promote the healing of wounds and ulcers. Since 1922 certain bismuth preparations have been increasingly employed for intramuscular injections in the treatment of syphilis. Bismuth compounds, according to the purpose and technic of medication; are prescribed in the form of powders, tablets, cachets, oil suspensions, elixirs, magma; in combination with other ingredients, and for local use as dusting powders, ointments, or pastes. The recognized high quality of Merck bismuth compounds depends upon the extensive manufacturing experience and rigid laboratory control that have characterized the production of all Merck chemicals.

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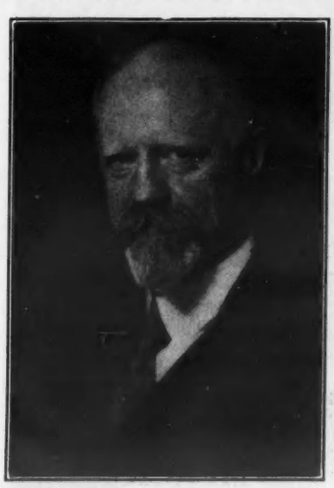
1920 and the trying postwar adjustment years, established a self-contained industry in this country. The wisdom of Congress in offering protection in the tariff acts of 1922 and 1930 has been vindicated.

E. M. Allen
Member M.C.A. Executive Committee

The protection to our national welfare is beyond calculation.

In the United States our initial preparedness plan, intended for defense alone, has changed to a basis of virtual wartime economy. Contracts exceeding $13,000,000,000 in value have been placed by our government, and official estimates place expenditures for the overall defense program in excess of $42,000,000,000. Our total national income for the current year is estimated at $90,000,000,000 and the 1941 outgo for defense purposes may reach 20 percent of this figure. Germany is spending about 60 percent of her national income to finance the war.

The chemical phase of the defense program has included an enormous expansion of plant capacity for explosives manufacture, such plants being government-owned but privately constructed and operated by a number of chemical firms. Some of these plants are already in production. The contribution of the personnel of our member companies in the formulation of this program and in operation of the plants has been of inestimable value. This program has called for a government outlay of approximately $500,000,000. These new plants, in turn, will and even now are requiring large amounts of such essential raw materials as toluene, cotton linters, anhydrous ammonia, oleum, and alcohol. Expected soon are the demands for direct military requirements of individual chemicals, when the nation is placed upon a more complete wartime basis. Superimposed upon military requirements are the existing heavy demands for nonmilitary and indirect military chemical supplies, with the result that



William B. Bell
Member M.C.A. Executive Committee

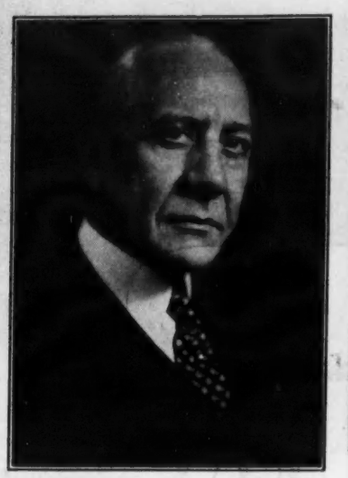
apparent needs already equal plant capacities on many items.

Member chemical executives have devoted a substantial portion of their time during the past year to the work of the Chemical Advisory Committee of the Army and Navy Munitions Board, together with its many subcommittees—organized in the Spring of 1939 at the request of the Assistant Secretary of War. This committee continues its very active and extremely important service.

Developments associated with defense of direct concern to our industry include export license control, priorities, price control, and eventual increased military load.

Export License Control

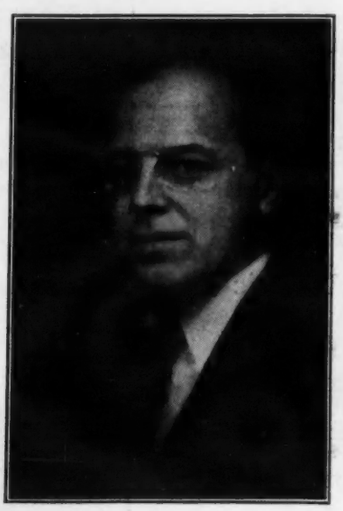
Under Section 6 of the act of July 2, 1940, the proclamation of July 2, 1940, placed certain materials, including chemicals, under immediate export license



Blank & Stoller

Harold O. C. Ingraham
Member M.C.A. Executive Committee

control, although governmental facilities had not been set up for administration purposes. A virtual embargo on many chemical items resulted which was not relieved until weeks later when regulations were clarified, staff organized, and collectors of customs instructed regarding provisions of the regulations. The number of items subject to control has been subsequently increased, there being at present approximately 300 chemicals on the list in addition to oils, fats, fibers,



Charles S. Munson
Member M.C.A. Executive Committee

metals, fabricated products and equipment, and designs, specifications, and technical data.

The Washington office has sent copies of orders, regulations and interpretations to each member executive and has handled innumerable queries from member firms with the Department of State and Administrator Maxwell's office. Conservation of vital raw materials—the original purpose for control—has since been supplemented by an apparent policy of economic warfare. A recent tendency to shut off completely all exports of certain strategic materials has also been noted.

Priorities

The Priorities Board was created in the Office of Production Management by an executive order under Public 671. Subsequently industry advisory committees were created, including (1) minerals and metals; (2) chemicals; (3) tools and equipment; and (4) general products and commercial aircraft. W. N. Watson is the industry representative on the Chemical Priorities Committee.

In the military sphere the Army and Navy Munitions Board, as in the past, issues priority certificates on over 200 primary military items enumerated in the "Priorities Critical List," the objective being to speed up production for the army and navy. The official directive fixes the order of importance or rating of the items in the critical list.

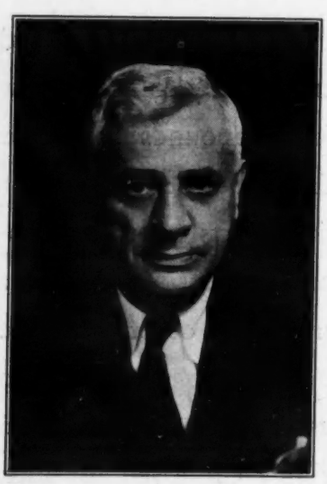
The priorities division of the OPM may issue priorities in the following categories:—(1) Blanket ratings of a limited type designed to help certain companies on projects in urgent situations to obtain needed materials quickly; (2) individual preference rating certificates issued to manufacturers for specific orders to meet specific problems; (3) in-

L. T. Beale
Member M.C.A. Executive Committee

dustry-wide priority control, usually involving the allocation of available supplies as, for example, aluminum and neoprene.

The Office of Price Administration and Civilian Supply exercises certain jurisdiction over civilian distribution. Legislation is pending to clarify and extend the powers of the priority control by the government.

The initial bottleneck for the chemical industry centered on new equipment. This need was further complicated by



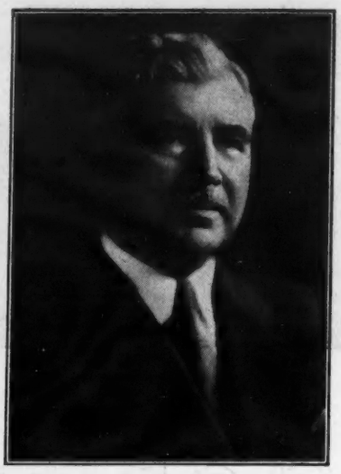
T. P. Walker
Member M.C.A. Executive Committee

the heavy military demands for nickel, aluminum, and other metals. Acquisition of equipment for maintenance and repair of chemical plants presents a serious problem for our industry. As the military demand for chemicals increases, the ponderous complicated system of priority control is bound to be applied to certain chemical products.

Statistical Reports

The highlight of the M. C. A. statistical reporting service during the past year was the issuance last December of the 219-page yearbook entitled "Chemical Facts & Figures." This statistical yearbook of the American chemical industry contains factual data, graphs, and statistics on chemical production, sales, imports, exports, employment, payrolls, safety, research, finance and transportation, drawn principally from governmental sources, with a detailed index to facilitate its use. Chemical Facts & Figures was compiled by the staff of the Washington office, and complimentary reports from users indicate that it fulfilled a distinct need on the part of the chemical industry. For the time being, it is planned to issue this yearbook once every two years.

Monthly reports on business conditions, a service initiated in November, 1939, has been continued during the past year. Issued generally about the twenty-eighth of each month, it contains carefully selected indexes of general business activity for the prior month and in addition certain significant data on the chemical industry, including production indexes, employment, payrolls, whole-



August Kochs
Member M.C.A. Executive Committee

sale prices, and purchasing power of the dollar. The report is limited to one page to facilitate rapid reference, is distributed to member executives of the M. C. A. and is reprinted in the news edition of *Industrial & Engineering Chemistry* on the tenth of each following month. Sources of statistical data include the Federal Reserve Board, United States Department of Labor, United States Department of Commerce, and the Automobile Manufacturers Association.

During the past year, the following special reports were sent to each member firm:—

Report XIV.—New Federal reserve index of industrial production, with tables and chart showing index of chemical production from 1923 through 1940. Both indexes are compiled on the new base period 1935-39=100. The previous industrial production index was based on the period 1923-25=100.

Report XV.—Labor turnover in the chemical industry compared with all manufacturing, 1937 through 1940. This report shows labor turnover in the chemical industry to be well below the average for all industry during the period covered by the report.

Special reports issued in previous years on employment, payrolls, wholesale prices, and real weekly earnings were not sent out separately during the past year, inasmuch as these data were included in Chemical Facts & Figures.

Patents

Final recommendations of TNEC included the recommendations:—

1. That the patent laws be strengthened so that no application for a patent can be filed in a foreign country until specific permission is given by this government.

Russell H. Dunham
Member M.C.A. Executive Committee

2. That Congress enact legislation to make any future patent available to any person who desires its use and is willing to pay a fair price for the privilege.

3. That the owner of patents be required to grant only unrestricted licenses and that he be forbidden to impose re-

—*Continued on page* 37

Dyestuffs, Textile and Leather Chemicals

One Producer Raises Potash and Soda Bichromate Prices —Yellow Potash Prussiate and Soda Ferricyanide Higher —Another Sharp Advance in Domestic Egg Products

Demand continued steady in the market for dyestuffs, textile and leather chemicals last week. Advances occurred in the spot prices for such chemicals as bichromates, yellow potash prussiate, and potash-soda ferricyanide. Further rises took place in sizing materials with another sharp advance in domestic egg products. Fractionally higher prices were reported for potato starch, sago and tapioca flours.

A leading producer of bichromates announced an advance in spot prices immediately for soda chromate, potash and soda bichromates. The increases applying to all contracts July 1. The higher prices reflect the increased raw materials, labor and shipping costs.

The upward spiral continued in the prices for domestic egg albumen and yolk. The heavy government buying of shell and dried egg products was the principal reason for the upward trend in recent weeks. Large purchases have been made for the Army, Navy; for shipment abroad under the lend-lease program and for various relief agencies.

Price Changes

Advanced

Albumen, egg, dom., 10c. per lb.
Egg yolk, dom., 3c. per lb.
Potash bichromate, spot, ¾c. per lb.
Potash prussiate, yel., spot, ½c. per lb.
Potash-soda ferricyanide, 4c. per lb.
Sago flour, ¼c. per lb.
Soda bichromate, spot, ¼c. per lb.
Soda chromate, spot, ½c. per lb.
Starch, potato, dom., ¼c. per lb.
Tapioca flour, ¼c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
194.7	186.3	176.8	144.5

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Acetate.—Demand steady. Market firm.

Alumina Chloride.—Shipments held at good levels, while prices were unchanged.

Ammonia Acetate.—Interest routine. Quotations remain firm.

Ammonia Bichromate.—Call moderate. No change in the prices.

Antimony Salts. — Quotations firm. Business spotty.

Chrome Acetate. — Buying steady. Prices rule firm.

Potash Bichromate.—Spot prices advanced ¾c., making car lots, 9⅝c. and less car lots 9¾c. to 10c. per pound. Demand steady.

Potash Prussiate.—Spot prices for yellow ½c. higher, ranging from 17c. to 19c. per pound. Business moderately active.

Potash-Soda Ferricyanide. — Prices advanced 4c. at 40c. to 43c. per pound. Good inquiry.

Soda Bichromate. — Effective immediately spot price ½c. higher, making car lots 7⅜c. and less car lots 7½c. to 7¾c. per pound. Active inquiry. March exports 1,222,989 pounds.

Soda Chromate. — Spot prices advanced ½c. to basis of 8¾c. for car lots and 8⅞c. per pound in less car lots. Buying steady.

Soda Prussiate.—Prices unchanged and firm. Business routine.

Zinc Dust.—Selling limited as a rule, while prices held firm.

Dyestuffs

Annatto. — Moderate call. Prices lack change.

Cochineal.—Dealings routine. Quotations remain the same.

Fustic.—Business fairly steady and prices hold firm.

Hypernic. — Usual consumers made necessary replacements. Prices unchanged.

Indigo.—Market firm, with transactions narrow.

Logwood.—Shipments moved steadily and prices display firmness.

Madder Dutch. — Interest light. Prices underwent no change.

Turmeric.—Prices remain nominal, with spot offerings small.

Sizing Materials

Albumen, Blood.—Demand continued steady. Prices firm.

Albumen, Egg.—Domestic prices 10c. higher, making crystals $1.05 to $1.10 per pound. Advance reflects government buying principally.

Corn Sugar. — Bookings steady. Prices unchanged and firm.

Dextrin, Corn.—Prices firm, while shipments moved at a good pace.

Dextrin, Potato.—Business moderately active. Prices rule firm.

Egg Yolk.—Domestic 3c. higher, ranging from 75c. to 78c. per pound; no change in the imported. Steady inquiry.

Sago Flour.—Quotations advanced ¼c. at 5c. to 5¼c. per pound. Selling restricted.

Starch, Corn.—Shipments steady. Prices remain unchanged and firm.

Starch, Potato.—Prices ¼c. higher ranging from 5¼c. to 6¼c. per pound. Business moderately active.

Starch, Rice.—Prices remain unaltered. Commitments fairly steady.

Starch, Wheat.—No change in the price, while usual consumers made fair size replacements.

Tapioca Flour. — Prices advanced ½c., at 5c. to 6c. per pound. Good inquiry, with supplies restricted by shipping difficulties.

Tanning Materials

Chestnut Bark. — Steady inquiry, with prices firm.

Cutch.—Business routine. Prices firm.

Divi-Divi. — Good inquiry, and prices firm.

Gambier.—Prices nominal. Spot stocks small, reflecting replacement difficulties.

Hemlock.—Shipments moved steadily against contracts. Prices unchanged.

Mangrove.—Dealings routine. Prices underwent no alteration.

Oakbark.—A satisfactory amount of replacement orders kept market in firm position.

Osage Orange.—Usual consumers made necessary purchases. Prices underwent no change.

Quebracho. — No further price changes occurred, while tone held firm. Good interest.

Quercitron.—The call was moderate, and prices held the same.

Spruce.—Withdrawals steady. Pricewise a firm tone prevailed.

Wattle Bark.—Inquiries and shipments fairly steady. Prices underwent no change.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—

American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

Ammonium Thiocyanate to Be Marketed by Koppers Co.

Pittsburgh, June 4, 1941

Large scale production of ammonium thiocyanate is now under way at the Everett, Mass., plant of the Eastern Gas & Fuel Associates, it is announced by Fred Denig, vice-president of Koppers Company in charge of the research department. The plant has an unusually large annual capacity and is built to produce both crystals and 30 percent liquor. The grade of crystals now under production has a purity in excess of 95 percent. The production of the plant will be marketed by the tar and chemical division of Koppers Company, Koppers Building, Pittsburgh, Pa.

Herman Meyer Drug Company, Inc., has moved from this city to 66-38 Clinton avenue, Maspeth, New York.

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Coaltar Chemicals

One Leading Producer Advances Prices for U.S.P. Phenol —Mono, Ortho and Trichlorobenzene Quotations Higher —Phthalic Anhydride Shipments Running Far Behind

A leading producer advanced prices for phenol, monochlorobenzene, orthodichlorobenzene and trichlorobenzene to provide the outstanding feature to the market for coaltar chemicals last week. Within the next few weeks release of third-quarter contract prices will be made by all factors. Demand continued active, with inquiries exceeding supplies in a number of products to such an extent that sellers were endeavoring to take care of only regular consuming trade to the best of their ability. In situations where defense requirements were a factor, a preferential rating was adhered to.

Booking for phenol continued to increase, while shipments of phthalic and anhydride were running far behind. Inquiries exceeded available supplies for cresols and cresylic acid. Domestic output of naphthalene was easily absorbed, with little imported available. A further firming was evident for benzol and the situation in xylol was about the same. Demand for toluol remained heavy.

The position of many intermediates was tight, sellers were still under pressure to make prompt deliveries in many cases. Acceptance of new business was taken with the understanding that orders would be filled when possible. Anilin, betanaphthol, dimethylanilin, dinitrobenzene, dinitrotoluene, orthocresol, orthonitrotoluene, paranitrotoluene and xylidin experienced an active demand. A steady inquiry prevailed for coaltar acids, with fumaric, maleic, picramic, picric and tobias outstanding.

Price Changes

Advanced

Monochlorobenzene, 1c. per lb.
Phenol, U.S.P., ½c. per lb.
Orthodichlorobenzene, 1c. per lb.
Trichlorobenzene, 1c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Market continues to firm, with business steady. March exports 327,552 gallons, valued at $57,932.

Coaltar.—Steady movement against contracts. Prices firm. March exports 94,148 pounds, valued at $7,464.

Creosote Oil.—Market retained its firmness, while commitments were maintained at satisfactory levels. March exports 33,334 gallons, valued at $9,456.

Cresols.—Inquiries exceed available supplies, with sellers supplying regular consumers requirements.

Cresylic Acid.—Tight situation continues for domestic grades; business restricted. Supplies of imported small. Prices firm.

Naphthalene. — Domestic output absorbed by regular consumers, and market was in a strong position. Prices remain firm.

Oil, Shingle Stain.—Demand about normal, with prices unchanged and firm.

Phenol.—One manufacturer has advanced prices ½c. per pound, making tanks, 11½c.; drums, car lots, 12½c.; and less car lots, 13¼c. to 14¼c. per pound. Bookings continue heavy and market position tight. March exports 398,124 pounds, valued at $55,662.

Pitch, Coaltar. — Routine interest. Quotations unchanged and tone firm. March exports 680 tons, valued at $18,300.

Pyridin. — Steady movement to regular consuming channels. Prices rule firm.

Tar Acid Oils.—Buying moderate. No change occurred in the quotations.

Toluol. — Demand active. Market strong, and prices firm. March exports 3,257,004 pounds, valued at $134,810, of which 3,248,829 pounds went to Canada.

Xylol.—Market continued to tighten. Demand steady, and prices without change. March exports 100,053 pounds, valued at $5,047.

Chicago Coaltar Bases

Coaltar bases are steady to strong for most products. Benzol demand is good. Inquiries have been a little better. Xylol movement continues good. Active interest is indicated throughout the list. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 8½c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hydrogenated Solvents

Cyclohexane. — Demand steady. Prices unchanged and firm.

Cyclohexanol. — Good inquiry, while prices remain the same.

Methylcyclohexanone. — Shipments moderate. Prices unaltered.

Coaltar Acids

Anthranilic. — Market firm, while inquiries were steady.

Benzoic. — Steady movement to regular channels. Prices firm.

Broenner's.—Usual consumers supplies a satisfactory replacement interest.

Cleve's. — Commitments routine. Prices rule firm.

Fumaric.—Demand good. Prices retained their firmness.

Gamma.—Business moderately active, and market firm.

H.—Dealings routine. Prices lack change.

Laurent's.—Spot and contract withdrawals normal. Prices without change.

Maleic.—Active interest. Prices unchanged.

Picramic. — Shipments confined to regular channels as a rule.

Picric.—Brisk inquiry, market position strong.

Salicylic. — Steady movement of technical, while prices held firm.

Succinic. — Quotations unchanged and firm. Demand steady.

Sulphanilic. — Withdrawals steady. Prices firm.

Tobias.—Buying good, and market continued firm.

Other Intermediates

Alphanapthol. — Demand steady. Prices unchanged and firm.

Alphanaphthylamine. — Shipments usually confined to regular channels.

Anilin.—Buying well sustained, and prices firm. March exports 374,677 pounds.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Insecticide, Disinfectant Mfrs., June 9-10, Chicago.

Anthraquinone.—A good interest was displayed by major consumers. Prices remain the same.

Benzaldehyde.—Steady movement of technical, with prices unaltered.

Benzidin Base.—Market firm. Shipments steady.

Betanaphthol.—Brisk inquiry. Pricewise a firm tone prevailed. March exports 10,355 pounds.

Betanaphthylamine.—Demand good. Prices underwent no change.

Diethylanilin.—Withdrawals moderately active. Prices without change.

Dimethylanilin. — Active interest. Market position strong. March exports 202,755 pounds.

Dinitrobenzene.—Steady movement against contracts. Prices firm.

Dinitrochlorobenzene.—Inquiries and shipments steady. Prices failed to change.

Dinitronaphthalene.—Business confined to regular consumers as a rule. Prices lack change.

Dinitrophenol.—Commitments steady. Prices unchanged and firm.

Dinitrotoluene.—Firm price tone, while business held steady.

Diphenyl.—Shipments moved steadily to regular trade. Prices unchanged.

G. Salt.—Market a routine affair. Prices unchanged.

Monochlorobenzene.—One producer raised prices 1c., making drums 7c. to 9c. per pound. Demand steady.

Nitronaphthalene. — Brisk inquiry. Market retained its firmness.

Orthoanisidin.—Buying steady. Prices unchanged, with tone firm.

Orthochloroanilin. — Withdrawals good against contracts. Prices unchanged.

Orthochlorophenol.—Purchases moderately active. Prices without change.

Orthocresol.—Selling limited to regular accounts, with market position tight. Prices firm.

Orthodichlorobenzene.—One manufacturer advanced prices 1c. to basis of 6½c. for tanks; car lots, 7c.; less car lots, 8c. to 10c. per pound.

—Continued on page 38

M.C.A. Discusses Chemical Defense

—Continued from page 34

strictions upon the buyer in sales of patented articles.

4. That any sale, license, assignment, or other disposition of a patent be filed with the Federal Trade Commission within thirty days.

5. That the life of a patent be limited to twenty years from the date of filing of the application.

Several Federal bills concerning patents were introduced, some of which were related to the defense emergency. One proposed to prohibit the publication of inventions in the national interest by requiring a license from the Commissioner of Patents before application for a patent in any foreign country. Another bill prohibited the issuance of injunctions on patents affecting defense or public welfare; and an amendment was recommended by the Department of Justice to authorize the government to acquire patents by condemnation.

Hearings were held on the above patent measures and proposals before the house committee on patents. Testimony of both War and Navy Departments, and a canvas of our association revealed no example wherein defense was being impeded by threatened patent injunctions. A statement was filed by our association pointing out that authority already existed for the government to use a patent for defense and strongly opposed the government taking over of patents by condemnation.

State Legislation

During the past fiscal year forty-four States have held regular sessions and in addition some States have held special sessions. The number of State bills introduced and pending, of interest to the chemical industry, has exceeded that in any previous year in our nation's history. These included proposals to control agricultural insecticides, poisons, drugs, solvents, explosives, and other chemical products. New bills to control agricultural insecticides and fungicides have placed a heavy burden upon our insecticide and fungicide committee, effort of which has been directed to secure uniform treatment in order to avoid unreasonable barriers in interstate commerce and excessive registration fees.

The pharmacy bills on the control of drugs, poisons, etc., have also called for continuous attention, our objective being to secure an exemption of insecticides and fungicides used for agricultural purposes and chemicals used in the arts, but not sold for medicinal purposes. It is also essential to continue the taxfree status of industrial alcohol by exemption from the State alcoholic beverage tax bills. It is evident that our industry must devote more attention and time to State matters because of the direct effect upon the sale and distribution of many of our products and potential added burdens on the consumer.

Technical Committees

During the past fiscal year, the work of our technical committes has been primarily concerned with Federal regulations for the transportation of chemicals and related products by rail, highway, and water carriers, although a significant program of container research has also been maintained. The importance of Federal transportation restrictions imposed by various governmental agencies upon the chemical industry cannot be over-emphasized. Our committees have worked closely with government officials in drafting reasonable regulations, furnishing technical information and advice, and scrutinizing all provisions in order that drastic and unreasonable requirements be eliminated. This development program of our container committees has resulted over a period of years in increased safety in transportation and large savings to the producer and consumer.

I.C.C. Rail Regulations

The public hearing on the fourth and final draft of the general revision of the commission's regulations was held in Washington on August 8, 1940, with M. C. A. committee chairmen in attendance. Previous meetings and conferences between our representatives and regulatory officials resulted in agreement regarding provisions of the regulations, which became effective January 7, 1941.

I.C.C. Motor Carrier Regulations

On Octor 15, 1940, private motor carriers became subject to the commission's regulations governing safety of vehicle operation, including limitations governing hours of service of drivers. On March 4, 1941, the commission established its jurisdiction over mechanics, loaders, and helpers employed by common, contract and private motor carriers.

M. C. A. representatives consulted with officials of the Bureau of Motor Carriers prior to the release on January 7, 1941, of the revised regulations governing the transportation of dangerous articles. On February 17, the I.C.C. conducted an informal hearing in order to determine the need for regulation of private trucks carrying dangerous articles. A questionnaire was sent to members of the association following which an M. C. A. representative appeared at the hearing stating that insofar as the association's members were concerned, no need exists for such regulations. It was made clear, however, that the M. C. A. would not oppose the establishment of reasonable regulations made applicable to private carriers of dangerous articles.

Department of Commerce Regulations

Following issuance of a final draft and the holding of a series of conferences thereon, the final water regulations for dangerous cargoes became effective April 9, 1941. Our committees took a very active part in the preparation of these regulations, and a number of conferences were held with officials of the Bureau of Marine Inspection and Navigation following release of the final draft. M. C. A. witnesses appeared at the final hearing and presented additional testimony in substantiation of recommended changes.

Manuals

During the past year, one new manual was released and another one revised, as follows:—

1. T-8. Oleum Freezing Point Diagram. The research work embodied in this manual was carried out at the Case School of Applied Science under the sponsorship of the carboy committee.

2. TC-1. Unloading of Sulphuric Acid from Tankcars. This manual was amplified by the addition of subject matter and drawing relative to safe procedure in the handling and thawing of tankcars containing frozen or congealed oleum.

Those members having occasion during the past year to contact the Washington office can testify to the splendid efforts of the staff, and particularly to the untiring and efficient work of our secretary, Mr. Warren N. Watson, who, with his assistant, Mr. M. F. Crass, jr., is ever willing and able to be of service to our membership in these most difficult times.

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On behalf of the executive committee, I wish to express our gratitude for the splendid cooperation and helpful suggestions received from various members. Your executive committee sincerely hopes that you will feel free at any time to submit suggestions and problems of general interest for our consideration.

From the developments during the past year related to the placing of our nation on a war or near-war economy, the conclusion is inescapable that the responsibilities upon our executive committee and Washington office for service to the industry will be tremendously increased in the coming fiscal year.

This evening the members of the association participated, as guests of the Synthetic Organic Chemical Manufacturers Association, in the annual union dinner.

The diners were entertained with a dissertation somewhat humorous on Latin-American economy, international amity and American values by a Bostonian of Irish descent with a Spanish pseudonym and Italian accent.

Tomorrow members of the Manufacturing Chemists Association will join the S.O.C.M.A. in the annual golf tournament.

This year's meeting was the largest that the association has had. The registration was in excess of 250.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 37

Orthonitroanilin. — Market position firm, with demand steady.

Orthonitrotoluene.—Shipments well sustained. Prices lack change.

Orthotoluidin.—Steady demand against contracts. Prices firm.

Parachlorophenol.—Market retained a firm tone, while business was steady.

Paranisidin.—Usual consumers supplied a steady replacement interest.

Paranitroanilin. — Demand steady. Quotations firm.

Paranitrophenol.—Shipments moderate and steady. Prices rule firm.

Phthalic Anhydride.—Demand exceeded available supplies, with business allocated to regular consuming trade. Prices firm.

Schaeffer's Salt.—Moderate demand. Prices without alteration.

Thiocarbanilide. — Demand steady. Prices held the same.

Trichlorobenzene.—Leading manufacturer advanced prices 1c., making tanks 7½c.; car lots, drums, 8c., and less car lots, 8½c. per pound.

Xylidin.—Selling usually limited to regular channels for normal needs. Prices unchanged and firm.

Coaltar Colors

Shipments moved steadily in the market for coaltar colors last week. Spot and contract commitments were usually moderate, however, and the disposition to make replacements when needs occurred seemed to be the rule. Volume continued to make a favorable comparison with the like period a year ago, while export inquiries were well sustained. March exports amounted to 2,376,720 pounds, valued at $1,489,457, of which 511,751 pounds went to Canada; 143,288 pounds to the United Kingdom; 157,991 pounds to Mexico; 131,796 pounds to Argentina; 102,979 pounds to Brazil; 608,489 pounds to British India; 134,782 pounds to the Netherland Indies and 255,713 pounds to the Philippine Islands.

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Paint, Varnish, Lacquer Materials

Peak-Level Trade in Raw Paint Materials Well Maintained —Domestic Casein Again Advanced—Buyers of Pigments Allowed Normal Amounts—Dry Colors Demand Heavy

Activity in the market for various raw paint materials remained very brisk during the period under review. Contract ordering was reported exceptionally heavy and there was an influx of new business inquiries. Domestic casein was advanced again and prices on the Argentine material were very strong. Quotations on stearates and hide and bone glues were nominal, with producers of the former discouraging sales and glue suppliers unable to meet the demand. Ester gum was moving well following the recent advance. Varnish gums were in good call and firm. Effective today, one prominent producer of bone blacks advanced prices.

Manufacturers of pigments were pressed to meet orders but reported that stocks were ample for the near future. Regular customers were receiving normal supplies, but ordering of larger than usual tonnages was discouraged. Dry colors business was very heavy, with the large number of orders in many cases tending to delay shipments. The tone of rosin and turpentine was easier in Southern and local markets, the trend of prices being downward at times, although changes were generally rather narrow. Trade was fairly active.

Metallic Lead and Zinc

There was no slackening in the demand for pig lead last week. Volume of inquiries continued to exceed tonnages allocated. Prices were stable at previous levels. The slab zinc market remained dominated by acute shortage. Deliveries were strictly allocated. Prices were unchanged and firm.

Lead.—Prevailing spot prices at New York, St. Louis and London for the period from May 31 to June 6, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y.	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from May 31 to June 6, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Price Changes

Advanced

Casein, dom., 1c. per lb.
Tricresyl phosphate, 3c. per lb.

Reduced

Rosin, gum, 2c. to 7c. per 100 lbs.
Turpentine, gum, 2¼c. per gal.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Pigments

Antimony White.—Steady movement. Price firm.

Flake White.—Continued good demand. Price steady.

Litharge.—Broad movement. Demand heavy. Prices firm.

Lithopone.—Shipments large. Contract call insistent. New business active. Prices firm and unchanged.

Metronite Pigment.—Demand held to good levels. Buying brisk. Price firm and unrevised.

Orange Mineral.—Heavy contract call. Price firm.

Red Lead.—Ordering steady and large. Shipments heavy. Prices firmly maintained.

Titanium Pigments.—Contract call remained insistent. New business good. Prices steady.

White Lead.—Heavy demand. Prices firm.

Zinc Oxides.—Contract call better than normal. Prices firm.

Zinc Sulphides.—Heavy demand. Quotations unaltered.

Fillers and Extenders

Asbestos.—Good demand, with previous prices unchanged.

Asphaltum.—Movement larger. Inquiries up. Prices firm.

Barytes.—All grades moving well and in good demand. New business brisker. Prices firm and unrevised.

Blanc Fixe.—Satisfactory call reported. Contract deliveries large. Prices steady.

China Clay.—Good call for domestic and imported materials. Deliveries large and regular. Prices firm and unaltered.

Charcoal.—Movement broad. Prices firm.

Diatomaceous Earth.—Good call for chemically pure material following price advance two weeks ago. Other grades moving well. All quotations firm and unchanged.

Fullers Earth.—Normal movement. Price steady.

Graphite.—Offerings smaller. Demand normal. Prices steady.

Gypsum.—Market conditions unaltered. Prices firm and buying interest satisfactory.

Marble Flour.—Quiet and unchanged.

Mica.—Contract demand brisk. Shipments large. Prices firm.

Rottenstone.—Demand good. Prices firm.

Talc.—Upturn in demand noted. Inquiries more numerous. Shipments larger. Prices firm and unchanged.

Whiting. — Movement continued to broaden. Prices firm.

Woodflour.—Good demand for domestic grades. No offers of Norwegian material reported. Prices nominal.

Naval Stores

Southern and local markets for rosin and turpentine were fairly active last week. An easier tone developed in the South, quotations on

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

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turpentine and all grades of rosin being shaded. The easier situation was regarded by some as merely temporary, however, and as due mainly to an accumulation of supplies over the holiday on Tuesday when business in southern markets was suspended in observance of the birthday of Jefferson Davis. Sales of turpentine at Savannah on Wednesday were 33,550 gallons at 37½c. per gallon, this figure comparing with 38¼c. on the previous business day and 39c. at the close of the preceding week. Rains were reported in various sections last week, but temperatures were higher and primary receipts showed some increase though the movement was still below normal for this period. The government remained out of the market as a seller of turpentine but continued to supply dealers with rosin.

Turpentine.—The local market had an easier tone in company with the trend at Savannah where an increase in receipts and offerings cause a moderate decline in prices at one time. Business here was fairly active.

SAVANNAH, June 6.—Following is a record of the turpentine market for the week:—

	Gallons—Cents.	Sales.	Barrels—Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	38¼	12,050	75	177	8,303
Tuesday*	...	...	...	...	...
Wednesday	37½	33,550	512	124	8,691
Thursday	37¼	5,650	319	...	9,010
Friday	36¾	5,200	154	228	8,936

* No trading.

JACKSONVILLE, June 4.—Turpentine stock, 9,867 barrels.

PENSACOLA, May 31. — Turpentine stock, 9,184 barrels.

Chicago—June 6

Turpentine market quiet. Five-drum lots, 48c. per gallon; five wood barrels, 53c.; single drums, 51c.; single barrels, 56c.

Rosin.—Business in the local market was fairly active, purchasing being limited as a rule to comparatively small or moderate lots to fill the immediate or nearby requirements of consumers. The trend of prices was downward at times, changes generally being rather small.

SAVANNAH, June 6.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted—*Sat.	Mon.	*Tues.	Wed.	Thurs.	Fri.
B	...	$1.60	...	$1.60	$1.55	$1.60
D	...	1.81	...	1.81	1.81	1.83
E	...	1.86	...	1.84	1.80	1.83
F	...	1.86	...	1.84	1.80	1.84
G	...	1.87	...	1.86	1.82	1.84
H	...	1.87	...	1.86	1.82	1.88
I	...	1.88	...	1.86	1.82	1.88
K	...	1.91	...	1.91	1.85	1.87
M	...	1.94	...	1.94	1.91	1.94
N	...	2.03	...	2.03	1.99	2.02
WG	...	2.22	...	2.23	2.21	2.21
WW	...	2.50	...	2.49	2.49	2.49
X	...	2.50	...	2.50	2.50	2.50
			Barrels			
Sales	...	674	...	913	328	224
Receipts	...	550	...	2,284	515	142
Shipments	...	943	...	566	425	526
Stocks	...	...	...	...	...	145,598

* No trading.

JACKSONVILLE, June 4.—Rosin stock 308,038 barrels.

PENSACOLA, May 31.—Rosin stock 37,987 barrels.

Chicago—June 6

Rosin market quieter. Five drum lots were:—B grade, $2.90 per 100 pounds net; G grade, $3.17; M grade, $3.24; W.W. grade, $3.80.

Other Naval Stores

Pine Oil.—Quotations maintained. Trade fairly active.

Pitch.—Steady on spot. Demand quiet.

Rosin Oil.—Fair movement of moderate lots. Prices steady.

Tar. — Steady contract movement. Market firm.

Lacquer Materials

An active demand continued to prevail in the market for lacquer materials and solvents last week. Inquiries exceeded supplies, and sellers were following a restricted selling policy to take care of regular consumers. One manufacturer sharply advanced prices for tricresyl phosphate to conform with higher production costs, while prices for other materials held firm. Word was expected shortly concerning third quarter contract prices. Spot prices for a number of important materials have already been advanced.

Acetone.—Demand steady. Market tight. Resale 12c. per pound. March exports 1,776,184 pounds.

Butyl Acetate.—Buying good, and market position strong. Prices unchanged. March exports 511,347 pounds.

Butyl Alcohol. — Steady inquiry, with selling restricted as a rule to regular consumers. Prices firm. March exports 475,232 pounds.

Cellulose Acetate.—Shipments moderately active, and prices rule firm.

Dibutyl Phthalate.—Brisk inquiry, with business limited to regular consumers. Pricewise a firm tone prevailed.

Dichlorethyl Ether.—Market tight. Demand steady, and prices firm.

Ethyl Acetate.—Withdrawals remain heavy from major consuming channels, and market was in a firm position.

Isopropyl Acetate.—Active demand. Market strong and prices firm.

Methylethyl Ketone. — Sellers pressed to take care of all inquiries. Prices firm. March exports 174,678 pounds.

Tributyl Phosphate.—Prices firm at the recent advance of 5c. per pound. Steady demand.

Tricresyl Phosphate. — One manufacturer has advanced prices 3c. per pound making technical, car lot drums, 25c. per pound. Buying active.

Shellac

Demand for shellac was very good throughout the past week. Dealers and jobbers appeared to hold fair quantities of merchandise and deliveries were more than fairly prompt throughout the period. Local conditions were such that to a very minor extent conditions were favorable for buyers. However, in view of the high cost to actually get primary market purchases from Calcutta to the spot, there was little margin left for competitive shading of prices. Calcutta remained very steady throughout the period and no weakness seemed likely to develop.

Driers

Palmitates.—In good demand. Prices firm.

Stearates.—Producers continued to limit sales. Resellers offering at about 3c. per pound above list.

Varnish Gums

Copals.—Heavier demand. Offerings normal. Prices steady.

Dammars.—Normal deliveries. Prices unchanged.

Elimi.—Satisfactory business. Prices firm.

Dry Colors

Alkali Blue Toner.—Good demand. Price steady.

Bone Blacks.—One prominent producer, effective today, advanced prices as follows:—No. 3 grade, up 1½c. per pound to 12c. for car lots and 12½c. for smaller lots; No. 4, up 1½c. to 11c.

Lacquer and Varnish Gums
Thurston & Braidich, Importers, 286 Spring St., New York

STEARATES
ZINC STEARATE
CALCIUM STEARATE
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Continuous large-scale production results in uniformly high quality products
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☐ BUTANOL (Normal Butyl Alcohol)
☐ BUTYL PHTHALATE (Dibutyl Phthalate)
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For Filling Colors in Oil or Japan. Adjustable to any capacity up to 1 quart.
Write for quotations
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for car lots and 11½c. for less car lots; No. 6, up 2c. to 8½c. and 9c.; No. 7, up 1½c. to 11½c. and 12c., and No. 8, up 1½c. to 12½c. and 13c. Differential for ex warehouse or ex dock Pacific Coast was raised ½c.

Carbon Blacks.—Very heavy contract call. More inquiries for new business reported. Shipments large. Prices steady and unrevised.

Carmine No. 40.—Large contract call. Prices firm.

Hansa Yellow.—Very tight. Ordering somewhat restricted. Stocks small. Prices steady. Resale material available at about 5c. per pound above list.

Iron Blues.—Movement well maintained. More inquiries. Prices unchanged.

Iron Oxides.—Market active. Buying interest large. Prices firm.

Lamp Blacks.—Better than normal call. Prices firm.

Lacquer Maroon.—Normal and unchanged.

Mercuric Oxides.—Normal movement. Prices firm.

Ochers.—Heavy demand. Stocks tight. Prices firm.

Sap Brown.—Good demand. Price steady.

Siennas.—Heavy call. Prices steady.

Toluidine Red Toner.—Contract call large. Inquiries more numerous. Market tight. Prices firm and unchanged. Resale material offered at about 3c. per pound above list.

Umbers.—No change. Heavy demand.

Ultramarine Blue.—Heavy movement on contract. Prices steady.

Vandyke Brown.—Domestic material moving well. Prices steady.

Vermilion.—Consumers covering immediate needs only. Price unchanged.

Synthetic Resins

Ester Gum.—The price advance reported last week was consolidated by leading producers during the period under review. Demand was well maintained. Shipments large.

Chlorinated Rubber.—Good call. Prices steady.

Glues and Binders

Casein.—Prices on domestic material were moved up another 1c. per pound to 21c. to 22c., as supplies became tighter. Argentine material was strong but unchanged. Resellers offering small lots at about 2c. per pound above list.

Glues.—Quotations nominal. Stocks low. Demand heavy. Resales at 3c. to 4c. per pound above list.

Trade Briefs

New England Paint & Oil Club will hold its annual outing at the Belmont Country Club, June 26.

M. J. Merkin Paint Company, this city, has appointed Harry Tankoos, jr., advertising manager. He was formerly vice-president in charge of advertising for the U.S. Plastics Craft Corporation.

William Hassler, son of John W. Hassler, research director for the Industrial Chemical Sales Division of the West Virginia Pulp & Paper Company, this city, will marry Miss Mary Jackson of Philadelphia June 12.

Baltimore Paint, Varnish and Lacquer Association held its first "ladies night" party in several years on May 16. John Henry Coon, former president of the club, entertained with colored camera shots of Williamsburg, Va.

Sherwin-Williams Company, paint manufacturers, this city, announce a plan whereby employees working on an hourly basis receive payment equivalent to wages, the amount depending upon length of service, as protection against loss of income due to disability.

I.C.C. Suspends Lower Paint Rates to South

—Continued from page 4

both in respect to territorial application and in providing Class 32 for weight in excess of 20,000 pounds, Mr. Leveille said. But confronted with the necessity of reducing the carload minimum weight to 20,000 pounds and realizing that heavier loading is possible and profitable, the railroads recognized the desirability of affording an inducement to shippers to anticipate their needs and more fully utilize the capacity of available equipment, he added.

Lead and Zinc Pigments Sales Show Slight Gain

—Continued from page 4

pared with 3,485 tons in 1939, and shipments of lithopone jumped to 14,298 tons in 1940 from 4,845 tons in 1939. Nearly half of the lithopone exported in 1940 went to Canada. Lead and zinc pigments and zinc salts sold by domestic manufacturers in the United States, 1939-40:—

	Short tons 1940.	1939.
Basic lead sulphate or sublimed leads:—		
White	5,493	4,688
Blue	707	850
Red lead	42,200	39,976
Orange mineral	137	131
Litharge	89,841	89,518
White lead:—		
Dry	30,115	30,309
In oil[1]	50,447	67,920
Zinc oxide	113,213	114,552
Leaded zinc oxide	45,362	42,684
Lithopone	151,892	142,779
Zinc sulphate	11,937	10,157

Binney & Smith Raises Prices on Bone Blacks

Binney & Smith Company, manufacturer of dry colors, this city, today advanced prices on bone blacks. Grades Nos. 3, 4, 7 and 8 were advanced 1½ cents per pound. No. 6 grade was hiked 2 cents per pound. There was no change in No. 5. The differential for the Pacific Coast was raised ½ cent per pound to 1½ cents.

THIS TRADE MARK GUARANTEES QUALITY

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GROUND CLAY
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SILVATEEN FOAM AA
REPLACES GERMAN IMPORTED SILICA and NEUBERGER CHALK
• Has excellent colloidal suspension and polishin qualities. Ideal for government metal polishes. Need Silica? Let us have your Specifications!
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Pigment Color Division GLENS FALLS, N. Y.
The largest manufacturers of chemical pigment colors in America
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Only PICCOLYTE
The Versatile Resin
COMBINES ALL THESE ADVANTAGES
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Hercules Powder Elects Meyeringh Vice-President

Wilmington, June 2, 1941

Petrus W. Meyeringh has been elected a vice-president and member of the executive committee of the Hercules Powder Company. Albert E. Forster, general manager of naval stores department, and Luke H. Sperry, chief engineer of the company, were elected directors of the company.

Mr. Meyeringh, elected a director in 1937, has been the head of the company's export department since 1930. Previous to that time, and since 1923, he served as manager of N. V. Hercules Powder Company, the company's agent for the resale of its naval stores and cellulose products in Europe. Mr. Meyeringh was born in Rotterdam, Holland, on March 10, 1895; he received his American citizenship in 1937.

N.Y. Paint Club Golf Tourney Won by Eakins

Sixty-one members and guests of the New York Paint, Varnish and Lacquer Association braved a steady downpour to participate in the club's annual golf tournament, held June 4 at the Westchester Country Club. Nearly 150 were present at the outing.

J. Barklay Eakins, of J. S. & W. R. Eakins, Inc., Brooklyn, shot an 88, low gross by a member, to gain permanent possession of the Harry R. Hillman cup, having captured legs on it in 1940 and 1939. He was also winner of the President's Cup, donated by Leo Roon. Low gross for the day was made by F. F. Woznak, of the Advance Solvents & Chemical Corporation, who shot an 86. Other winners were:—

Class A—H. S. Prescott, of the Prescott Paint Co., Inc., and Gordon S. Ziegler, of Allied Asphalt & Mineral Corporation.

Class B—E. M. Toby, jr., American Mineral Spirits Company, and Leo Sklarz, of the United Color & Pigment Company.

Class C—John Cooley, Advance Solvents, and Jim Dunphy, of New Jersey Zinc Company.

A. G. Frankenhoff, of the Dicalite Company, and Hal Aldrich, of United Color & Pigment, won the tennis tournament, which was switched to the ping-pong tables.

Obituaries

Dr. A. N. Benedict

Dr. Albert Newell Benedict, president of the Arlington Chemical Company, Yonkers, N. Y., died unexpectedly June 3. He was fifty-seven years of age.

Born in Yonkers, Dr. Benedict graduated from the Medical College of Cornell University in 1905 and became a staff surgeon at St. John's Riverside Hospital, Yonkers. After serving as a captain in the World War, Dr. Benedict became associated from the Arlington Chemical Company, founded by his father-in-law, John E. Andrus, and upon whose death several years ago he was made president of the company.

Surviving is his wife.

Howland S. Brown

Howland S. Brown, assistant chief engineer of the industrial lubricating oil department of the Socony-Vacuum Oil Company, Inc., this city, died May 31. He was fifty-two years old. Mr. Brown had been thirty-two years with Socony-Vacuum and its predecessor, the Vacuum Oil Company.

Lord Cadman

Lord Cadman, chairman of the Anglo-Iranian Oil Company and the Iraq Petroleum Company, died May 31 at Buckinghamshire, England, after an illness of nine months. He was sixty-three years of age.

Lord Cadman began his career as manager of the Silverdale Collieries in 1900 and shortly afterward became assistant agent of Walter Scott, Ltd., of Durham. In 1902 he was named inspector of mines in East Scotland and later went to Trinidad, British West Indies, as a government mining engineer. In 1908 he was appointed professor of mining and petroleum technology at Birmingham University, holding that position until 1920, when he became professor emeritus. He was a member of the advisory council of the Department of Scientific and Industrial Research and the research committee of the Prime Minister's Economic Advisory Board.

Franklin G. Colby

Franklin G. Colby, a pioneer in the copra industry, and well known in coconut oil trade circles here and abroad, died June 4 at his home, The Tamaracks, in Andover, N. J., after a long illness. He was 82 years old. Mr. Colby was born in Brooklyn. He went to England in the Eighties and formed the United Oil Company, importer of American mineral oils, with headquarters in Liverpool. Subsequently the name of the firm was changed to Colby & Co., with offices in Liverpool and New York, the concern doing a general export and import business in vegetable and other oils. Later Mr. Colby went to Manila and formed the Philippine Vegetable Products Company, devoting much time to the development of the copra and coconut oil industry in the Philippine Islands. He retired from active business in 1920.

Lee A. Strong

Lee A. Strong, for seven years chief of the United States Bureau of Entomology and Plant Quarantine, died June 2 in Madera Canyon, Santa Rita Mountains, Ariz., where he was engaged in research.

A native of Iowa and educated in Nebraska public schools, he became horticultural inspector of Los Angeles county at the age of twenty-four. He went to Washington in 1929 as chief of the Bureau of Plant Quarantine and in July, 1934, when the department was consolidated with that of entomology, he was named to head the two divisions.

Surviving are his wife, two daughters and a son.

Harry J. Baker jr., for seven years a supervisor in the silver refining department of the U. S. Metals Refining Company, Carteret, N. J., died May 29 at Newark. He was forty-three years old.

Gilbert W. Blanchard, former vice-president of the Cleveland Rubber Company, and general manager of the Mechanical Rubber Company, died June 3 at Passaic, N. J. He was eighty-six.

William F. Bredemeyer, salesmanager for the Continental Can Company, this city, died June 4 at his West Englewood, N. J., home. His age was fifty-nine.

Charles A. Corey, for the past twenty-four years traffic manager for Charles Pfizer & Co., manufacturing chemists, this city, died May 30 at Floral Park, L. I. He was sixty years old.

William D. Elliot, for many years New England manager for the Coca Cola Company, died in Wiscasset, Me., June 2. He was seventy-five years of age.

Lamont M. Bowers, personal representative for the late John D. Rockefeller during the industrialist's greatest activity, died in Binghamton, N. Y., June 2. He was ninety-four years of age.

Boris Said, oil broker, died in this city June 5. He was fifty-eight years old.

George E. Stone, widely known botanist, died in Northampton, Mass., May 28. He was eighty years of age.

Mrs. Clara M. Whipple, wife of Frank H. Whipple, president of Olds & Whipple, Inc., manufacturer of fertilizers, died recently at Hartford, Conn.

Gundlach Retires as Plant Head for J.M. Huber, Inc.

Walter Gundlach, vice-president in charge of production for J. M. Huber, Inc., manufacturer of printing inks and paints, this city, has retired, the company announced last week. A. L. Preston, who has been production manager under Mr. Gundlach, will be in complete charge of production.

Mr. Gundlach started with the company in 1895 as a cashier. Shortly thereafter he was shifted to the company's plant, where he spent two years, before being named superintendent of the plant. He was elected a vice-president in 1923. Mr. Preston spent eleven years as production manager for the varnish-making firm, Valentine & Co., this city, then three years with Continental Distillers, and Publicker Alcohol Company as general superintendent of plant, before coming to Huber in 1936.

Sharples Chemicals Adds Cramer to Research Dep't

Dr. H. I. Cramer, professor of rubber chemistry at the University of Akron, will resign from that position and on or about August 1 to join the research and development department of Sharples Chemicals Inc., Philadelphia, formerly known as the Sharples Solvents Corporation.

Dr. Cramer was graduated from the University of Akron in 1926 and in 1929 he received his Ph.D. degree from the University of Wisconsin. He then served as a research chemist with Goodyear Tire & Rubber Company until 1933, when he assumed his position at the University of Akron. Dr. Cramer is currently secretary of the rubber division of the American Chemical Society.

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THE COMPLETE RESIN LINE
"S & W" ESTER GUM—all types
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"CONGO GUM"—raw, fused and esterified
"AROPLAZ"*—alkyds
NATURAL RESINS—all standard grades
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Oil, Fats, and Waxes

Refined Cottonseed Oil Futures Stronger with Outside Markets —Chinawood Oil in Light Supply and Higher—Imported Olive Oil Lower—Coconut Reduced—Business Quiet

Business in miscellaneous oils, fats and greases continued quiet last week. Certain commodities which are usually in demand at this season met with a fairly active request from consumers who were in need of further supplies, but purchasing of many oils and fats was limited to small quantities, the movement of such lots for the week apparently being lighter in the aggregate than in the preceding period. On the other hand cottonseed oil and lard futures had an upward trend at times and offerings of many other products were small throughout the week. In such circumstances the tone of the market in general was firm, the trend of prices being upward despite shading in a few instances. The opinion existed in some quarters that the next monthly government cottonseed report from the Census Bureau, due this week, will again make a bullish showing in the matter of cottonseed oil consumption, estimates of the takings by consumers during May being around 400,000 barrels. In the same month last year the consumption was 293,000 barrels.

Vegetable Oils

Avacado. — Inquiry more active owing to scarcity of some other oils used in cosmetic formulas. Market tone firmer.

Castor, Dehydrated.—Output moving steadily on contracts and transient orders. Market firm.

Chinawood.—Prices advanced ¾c. to 1c. Tankcars 30¼c. per pound; drums generally 32c. per pound. Offerings light all positions. Inquiry good.

WASHINGTON, June 6.—Tung nut crop in China believed larger in 1940 than 1939. Increased plantings coming into bearing ever since outbreak of war in China. Expected exports will show upward trend.

Coconut.—Spot crude 6½c., tankcars, nominal, down ½c. Inquiry more active. Refined unchanged; fair demand. Ceylon's copra exports in 1940 were 47 percent larger than 1939, principally to India. Copra arrivals at Manila and Cebu during March this year 14 percent smaller than March last year; exports in March this year 64 percent smaller than 1940. Coconut oil stocks at Manila and Cebu at close of March nearly double last year.

Corn.—Crude up ¼c. Offerings limited. Inquiry good.

Oiticica.—Increased inquiry. Market firm.

Olive.—Imported oil quieter. Denatured and edible reduced 25c. per gallon. California edible up 20c.; stocks light and diminishing. Cuba's imports of olive oil in March only 176 pounds; March last year 728,973 pounds. Preliminary 1940-41 estimate of olive oil production in Mediterranean Basin 794,900 short tons; previous season 921,200.

Rapeseed.—Firmer on shrinkage in stocks; drums up ¼c.

Soybean. — Demand good. Prices shaded ¼c. or more by some sellers early in week. Steadier later with beans.

Teaseed.—Crude reported sold at 20c. per pound, up 1¼c. Stocks light.

There was no trading in soybean oil futures on the New York Produce Exchange, from June 2 to June 6, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
July	...	...	9.50 nom.
October	...	...	9.00 nom.

Markets at Other Centers

Chicago, June 6.—Buying of vegetable oils mostly for immediate needs.

COCONUT.—Refined, edible, 13c. to 13¼c. per pound, drums, car lots; 13½c. to 13¾c., less car lots.

CORN.—Refined, edible, 13¼c. to 13½c. per pound, drums, car lots; 13¾c. to 14c., less car lots.

SOYBEAN.—Crude, June-forward, 9c. to 9¼c. per pound.

The market for soybeans on the Chicago Board of Trade was fairly active. Daily price changes generally moderate. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing June 6.	Closing May 29.
Cash, No. 2	$1.35	$1.31	$1.30½	$1.34½
July	1.35⅞	1.30⅛	1.32½	1.33⅝
October	1.26⅞	1.20⅞	1.23½	1.23

Price Changes

Advanced

Carnauba wax, No. 3 chalky, 1c. per lb.
No. 2 North Country, 1c. per lb.
No. 3 North Country, 1c. per lb.
No. 1 yellow, 1c. per lb.
No. 2 yellow, 1c. per lb.
Chinawood oil, ¾c.to 1c. per lb.
Coconut oil fatty acid, 1c. per lb.
Corn oil, crude, ¼c. per lb.
Lard oil, ¼c. to ½c. per lb.
Lauric acid, 1½c. per lb.
Neatsfoot oil, ¼c. to 2c. per lb.
Olive oil, domestic, 20c. per gal.
Ouricury wax, 10c. per lb.
Rapeseed oil, drums, ¼c. per lb.
Soybean oil fatty acid, 1c. per lb.
Teaseed oil, crude, 1¼c. per lb.

Reduced

Coconut oil, crude, ½c. per lb.
Copra, 1-10c. per lb.
Olive oil, denatured, 25c. per gal.
edible, imported, 25c. per gal.
Peanut oil, crude, ½c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
155.4	155.2	149.6	102.2

Market news that may have developed after this report was sent to press will be found on page 4.

San Francisco, June 4.—Vegetable oils quiet.

COCONUT.—Tendency has been to ease off since recent drop in freight rate from Philippines on both copra and oil. Sellers' ideas from 5⅞c. to 6⅛c. Copra, 3½c.

CHINAWOOD. — Government in market. In light supply here. "Free" oil 32½c., tankcars; drums, 33c. Sales to Canada reported.

OITICICA.—Some activity. Solid quoted at 18c. per pound, drums; liquid, 19c., f.o.b. San Francisco.

BABASSU.—Quoted 8½c. per pound in tankcars, f.o.b. Pacific Coast mills.

PERILLA.—Quoted 17¼c. per pound, tankcars, f.o.b. Pacific Coast for June/July shipment.

WALNUT.—Crude oil 9¾c. per pound in tankcars, f.o.b. Pacific Coast mills.

Linseed Oil

Changes in domestic flaxseed prices generally moderate. Linseed meal in fair demand and steady. Flaxseed receipts at New York last week 328,845 bushels.

Flaxseed.—DULUTH, June 6.—Receipts liberal for so late in season. Crop news favorable. The week's closing flaxseed price range was as follows:—

	Cash.	July.
Saturday	$1.80½	$1.75½
Monday	1.81½	1.76½
Tuesday	1.81¼	1.76¼
Wednesday	1.81½	1.76½
Thursday	1.81½	1.76½
Friday	1.82	1.77½

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week..	51,386	12,787	1,044	.....
Since Aug. 1.	11,021,611	4,611,533	8,544,960	4,180,221

, MINNEAPOLIS, June 6.—Cash flax receipts very liberal and competition for daily offers slowed up, so premiums averaged lower. Recent liberal purchases of Argentine flax at a lowered freight rate tended to reduce the Eastern demand for our domestic offers and therefore buyers of diversion point arrivals failed to show their recent spirit in bidding. Trade in futures erratic. Crushers buyers on all downturns and had professional help at intervals until Monday of this week. Since then they have been selling and owing to light trade in oil have been hedging part of their cash flax purchases. Crop outlook very good, though cool weather has retarded growth some.

The week's closing flaxseed price range was as follows:—

	Cash.	July.	Sept.
Saturday	$1.80½	$1.75½	$1.78½
Monday	1.81½	1.76½	1.79¼
Tuesday	1.81¼	1.76¼	1.79¼
Wednesday	1.81½	1.76½	1.79¼
Thursday	1.81½	1.76½	1.79¼
Friday	1.82	1.77	1.79

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week..	243,600	53,200	29,400	32,200
Since Sept. 1.	11,087,800	4,024,800	1,876,000	2,227,730

WINNIPEG, June 6.—The week's closing flaxseed price range was as follows:—

	Cash.	July.	Oct.
Saturday	$1.43⅞	$1.45	$1.44
Monday	1.43⅝	1.44⅝	1.43¼
Tuesday	1.43¾	1.44⅝	1.42½
Wednesday	1.42	1.43	1.42¼
Thursday	1.42⅝	1.43⅛	1.42⅝
Friday	1.45	1.46	1.45¼

BUENOS AIRES, May 29.—Flaxseed, July, 69⅞c. per bushel. Exports this week 201,000 bushels, including 118,000 to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Bushels Last year.
United States	6,929,000	8,013,000
United Kingdom	877,000	5,404,000
Continent	382,000	11,160,000
Orders	.....	598,000
Others	541,000	462,000
Totals	8,729,000	25,593,000

Visible Supply

	Bushels.
Last week	7,874,000
Previous week	7,874,000
Last year	4,724,000

Linseed Oil.—The local market had a steady tone. Changes in flaxseed quotations were moderate and oil prices were generally maintained at previous levels. The contract movement continued liberal, but new business was rather quiet in the absence of anything stimulating in the way of crop or market news. Receipts of

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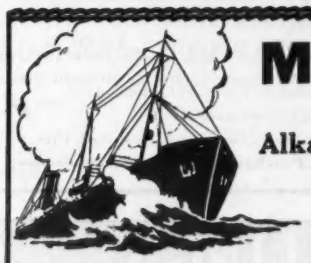
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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

flaxseed in the Northwest were larger and, with demand from crushers less active, cash premiums over futures narrowed to some extent. According to correspondence from the Northwest the crop outlook remains very favorable, present indications pointing to a yield of about 25,000,000 bushels in the five principal States. The next acreage in Argentina is expected to show a decrease. Canadian crop accounts were less favorable than recently. The crop in India was estimated in an official report at 17,200,000 bushels.

MINNEAPOLIS, June 6.—While buyers of linseed oil display considerable interest in future requirements they are not particularly concerned about the present and the nearer future. A few loads of varying size are being sold from day to day, but in the main consumers are depending on their maturing contracts to care for current needs. Quotations, tankcar lots, 9.8c. per pound; cooperage, car lots, 10.5c. per pound; warehouse, 10.9c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week.....	4,750,000	4,300,000
Since Sept. 1.....	148,400,000	121,130,000

SAN FRANCISCO, June 4.—Good progress still being made in flax harvest in the Imperial Valley and the full force of the San Joaquin Valley crop will start to be felt some time this month. Large linseed oil users bought quite well ahead and crushers' activity at present is in filling contracts. Quoted:—Tankcars, 9.7c. per pound; drum car lots, ex-mill, 10.4c.; drum lots, ex-warehouse, 10.8c.

Cake and Meal.—A steady tone prevailed in the local market for meal. Demand fair.

MINNEAPOLIS, June 6.—Demand for linseed meal better than crushers hoped for. Strength in various food commodities keep farmers steadily interested in concentrates, and although fresh sales of meal for nearby delivery are moderate, the market holds well on steady buying. Quotations, car-load lots, in 100-pound sacks, $27 to $28 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week.....	5,920,000	2,760,000
Since Sept. 1.....	299,981,000	163,120,000

Cottonseed Oil

Refined cottonseed oil futures quiet. Price trend mainly upward. Southern markets for cottonseed products generally firm.

Cottonseed Oil.—Although trading in refined cottonseed oil futures was on a comparatively small scale much of the time last week, prevailing sentiment appeared to be more bullish than in the previous week and the price trend was mainly upward although there was more or less irregularity. Local and Southern trade interests were credited with purchases of the near months while commission houses were buyers of the more distant deliveries. Local ring traders were on both sides of the market. Outside markets were mostly firmer.

Southern markets for crude oil were generally firm. With production steadily diminishing as usual at this period, offerings were light. Shortening remained firm with trade fairly active. Demand for cash refined cottonseed oil here showed an increase. Estimates of the consumption of refined oil during May in some cases were around 400,000 barrels or about the same as in the previous month. In May last year the consumption was 293,000 barrels.

Soybean oil was easier early in the week and steadier later on. Corn oil remained firm. Coconut oil was easier with copra. Bids on tallow were reduced but asked prices were generally maintained. The movement of hogs was moderate and hog prices were generally firm. The weight of the hogs received in Chicago during the week ended May 31 averaged 247 pounds against 251 pounds in the previous weeks. Cotton crop news was mainly unfavorable.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from June 2 to June 6, inclusive, comprised 649 contracts. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	10.65	10.62	10.66@10.68
July	10.81	10.38	10.72@10.80
September ..	10.74	10.33	10.69 sale
October	10.71	10.33	10.64 sale
December ...	10.71	10.35	10.64@10.66

Crude, Southeast, .09½c.

Chicago, June 6.—Good demand for cottonseed oil. Refined, edible, 12¼c. to 12½c. per pound, drums, car lots; 12¾c. to 13c., drums, less car lots.

Cake and Meal.—Quotations generally maintained in Southern spot markets. Offerings light. Demand more active.

Markets at Other Centers

Atlanta, June 4.—Cottonseed products quiet. Prime crude oil 9½c., tankcars. Meal, 8 percent, $26 to $26.50 per ton. Cotton injured by prolonged drought.

Memphis, June 5.—Crude cottonseed oil quiet. Last sales at 9½c. per pound, Valley basis; still bid. Mills have only about 100 tanks left in this territory. Meal, 41 percent, $25.50 per ton, Memphis basis. Bulk cake, $22.50 per ton, Valley. Hulls, $4.50 per ton, bulk; $7.50 sacked. Cotton making only fair progress. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	May 28.	June 5.
July	$25.15@25.50	$25.00@25.25
September	25.85@26.30	25.40@25.75
October	26.30@26.65	25.65@25.95
December	26.50@26.75	25.85@26.30
January	26.50@26.75	26.00@——

Closing soybean meal futures:—

July	$25.15@25.65	$25.00@25.35
October	24.25@24.50	23.75@23.90
December	24.25@24.35	23.75@24.10
January	24.35@24.65	23.80@24.10

Fatty Acids

Caprie Acid.—Firm at recent advance. Demand good.

Coconut Oil.—Steady demand. Spot stocks light. Prices advanced ½c.

Laurie Acid.—Technical up 1½c. Steady request.

Red Oil.—Tone firm. Steady contract movement. New business good.

Soybean.—Trade active. Prices up one-half cent.

Stearic Acid.—Steady movement on contracts and transient orders. Market firm.

Chicago—June 6

Fatty acids in good demand. Corn oil, double distilled, 11½c. to 11¾c. per pound, tankcar; 12c. to 12¼c., drums, car lots; coconut oil, acidulated, 14c. to 14¼c., tankcar; 14½c. to 14¾c., drums, car lots; cottonseed oil, double distilled, 9¾c. to 10c., tankcar; 10¼c. to 10½c., drums, car lots; settled cottonseed soap stock, 60-62 percent basis, 3⅝c. to 3¾c.; boiled down soap stock, 65 percent basis, 4⅝c. to 4¾c.; cottonseed foots, 50 percent basis, 2⅝c. to 2¾c.

Fish Oils

Cod.—Tone firm. Primary offerings light. Fair inquiry here.

Sardine.—Refined quotations maintained at previous levels. Fair small-lot demand.

Whale.—Local quotations stationary. Market firm. Trade quiet.

Markets at Other Centers

Baltimore, June 4.—Two tanks crude menhaden oil sold this week at 52½c. per gallon, if-and-when made. Buyers generally not disposed to pay over 50c. Florida fishing somewhat better; elsewhere poor.

San Francisco, June 4.—Sales of crude sardine oil reported in one quarter in a very moderate way at 54c. per gallon. Most sellers still holding at 55c. Estimated new season oil so far sold, 475 to 500 tankcars. American buyers paying duty and tax, it was understood that some five or six tankcars of British Columbia herring oil sold into United States last week at equivalent to 56c. per gallon.

Fats and Greases

Grease.—Fair demand for moderate lots. Offerings generally light. Market steady.

CHICAGO, June 6.—Choice white grease, 7⅝c. to 7⅞c. per pound; yellow, 7c. to 7¼c.

Lard.—Local cash trade fairly active. Price changes moderate.

CHICAGO, June 6.—Following is a lard price record, per 100 pounds, for the week:—

			Closing	
	High.	Low.	June 6.	May 29.
Cash	$9.65	$9.55	$9.67	$9.50
July	9.85	9.57	9.82	9.62
October	10.15	9.85	10.12	9.90

Stearin.—Tone steady. Offerings light. Demand fair.

CHICAGO, June 6.—Prime oleo stearin, 8½c. to 9c. per pound.

Tallow.—Fair small-lot demand. Large buyers bidding lower prices. Offerings light.

CHICAGO, June 6.—Prime inedible tallow, 7¾c. to 8c.; special, 7⅜c. to 7½c.

Trading in tallow futures on the New York Produce Exchange from June 2 to June 5 consisted of 2 contracts. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
September	7.75	7.75	7.75 nom.
October	...	...	7.75 nom.

Animal Oils

Lard.—Quotations advanced ¼c. to ½c. Domestic trade fair; export light.

CHICAGO, June 6.—No. 1 lard oil, 11¼c. to 11¾c. per pound.

Neatsfoot.—Demand fairly active. Quotations raised ¼c. to 2c.

Oleo.—Business fair. Spot stocks light. Prices maintained.

CHICAGO, June 6.—Extra oleo oil, 10½c. to 11c. per pound.

Tallow.—Quotations unchanged. Market firm. Business quiet.

CHICAGO, June 6.—Acidless tallow oil, 11c. to 11¼c. per pound.

Waxes

Bees.—Firm and active. Sellers hold strong views on future of market. Stocks of wax none too ample. Little if any in weak hands.

Candelilla.—High cost of carnauba keeps activity keen in this market. Prices strong under excellent control.

Carnauba.—Strong and about 1c. higher. Ton lots:—No. 3 chalky, 62c. to 63c. per pound; No. 2 North Country, 68c. to 69c.; No. 3 North Country, 64c. to 65c.; refined, 69c. to 70c.; No. 1 yellow, 73c. to 74c.; No. 2 yellow, 72c. to 73c.

Japan.—Firm. Active. Stocks moderate. In strong hands.

Ouricury.—Sharply higher at 65c. to 70c. per pound for refined. Market believed oversold as regards wax actually to reach here in future. Britain a heavy buyer as carnauba substitute.

International Agricultural To Move to Chicago July 1

The International Agricultural Corporation, producer of fertilizers and chemicals, whose general offices have been in this city for the past thirty-two years, will move to Chicago around July 1. The company has leased the entire twenty-ninth floor of the Civic Opera building in that city.

The offices of International's subsidiaries, the Union Potash & Chemical Company, the Phosphate Recovery Corporation, and the Kyanite Products Corporation, also will be moved to Chicago, as will a number of staff executives from the Southern headquarters at Atlanta. The Atlanta sales division offices will be continued at East Point, Georgia, and a sales office will be maintained in New York City.

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X In these days of exiguous supply of heretofore necessary materials, there is a bigger-than-ever need in all kinds of enterprises for special, expert advice and assistance for the finding of materials which will carry a process or a formula from the heretofore to the now. Perhaps the finding of another process or formula is called for. That sort of thing—finding this-day materials, processes, or formulas—is what the scientific and professional services adjacently offered are to be consulted for.

N.Y. Produce Exchange Elects Crofton President

Charles B. Crofton, of Leval & Co., was elected president of the New York Produce Exchange at the annual election June 2, to succeed Jas. J. O'Donohoe, who is resigning after having served two terms. Hugh Reid, of Simpson, Spence & Young, was elected vice-president, and A. H. Lehmann, of Lehmann, Marble & Newman, was elected treasurer.

Phila. Oil Trades Outing Decimated by Wet Weather

The annual outing of the Philadelphia Oil Trades Association was practically rained out. Only eighteen members braved the storm to venture out on the fairways of the Tonesdale Country Club June 4.

Charles D. Jones, president of the organization, was chairman at the dinner which was attended by forty-five members. W. F. Fancourt was in charge of arrangements.

Paint Salesmen's Club of Chicago will hold its golf tournament June 12 at the Woolridge Country Club, Lisle, Illinois.

Flax Crop Seen Larger Than 1940

—Continued from page 5

was progressing in the fields. However, much of this was eliminated at the source this season because of the insistence of the Flax Institute instructors in flax culture that only clean flaxseed be planted on clean land.

The crop planted is undoubtedly larger than that of 1940. However, of even more importance is the conditions under which the crop was put into the ground and which have existed since seeding started. Weather conditions have favored the flax crop throughout the Northwest, though there are areas that have suffered from an overabundance of moisture, some districts suffering from a lack of moisture after the crop got under way.

The latest advices from the country indicate a heavy acreage in Southern Minnesota, planted under fair to good conditions and progressing satisfactorily under excellent growing conditions.

The cool, moist weather of the past fortnight has augmented the situation considerably with the plant receiving good moisture, being retarded sufficiently to establish a strong growth in preparation for the hot weather ahead.

The flax outlook over the entire Northwest is good, but the hardest part of the growing season is still ahead. The hot winds and sultry weather of July may do irreparable damage to the crop.

The intention to plant report of the United States Department of Agriculture was released in March, indicating an expected acreage of 3,341,000 to be planted to flaxseed. This acreage was larger than most people expected, however since the issuance of that report an even greater acreage was put into flax. Private crop observers have indicated an increase of at least 10 percent from the first figure and others, highly optimistic, indicating an increase of at least 15 percent, this latter is mostly in the Northwest territory. Latest reports indicate that acreage in the five producing states of the Northwest will be 2,856,000 as against 2,793,000 acres in 1940.

Southern Chemurgic Conference June 17

—Continued from page 5

"Practical Development of Orchards in America," Walter M. Smith, Jr., Technical Adviser G. L. Reasor Tung Oil Plantations, Chicago, Ill.

"Industrial Uses of Cotton," speaker to be announced.

"The Petroleum Industry and Agriculture," speaker to be announced, the Texas Company, New York City.

"Soybean Developments," E. F. Johnson, Ralston Purina Company, St. Louis.

"Railroads and Agriculture," speaker to be announced.

"Modern Plastics," Dr. M. H. Bigelow, director of technical service, Plaskon Company, Inc., Toledo, Ohio.

Ga. Cottonseed Ass'n Elects

At the annual meeting of the Georgia Cottonseed Crushers Association held June 4 Uhland F. Stewart of Savannah was elected president; J. Campbell Jones, Athens, vice-president; Elkins G. Taylor, Moultrie, retiring president, chairman of the board.

The Supply of Flavoring Oils

—*Continued from page* 5

Italy for our supplies, limited quantities being available from the West Indies, but seeing, as I have expressed it, the "handwriting on the wall," other markets were carefully combed and in recent years we have had available as sources of supply, in addition to Italy and the West Indies, our own possession, Puerto Rico, Africa, Spain, and of late, Brazil.

Of course, I have not mentioned our own American production. Some few years ago the citrus industry on the Pacific coast, in combination with many important essential oil importers, realized the value of domestic manufacture and the patronizing of our own American industry. The results of our efforts are well known, for today, even though the rest of the world is embroiled in conflict, we are following the process of production and are supplying your industry with what we now consider one of the finest flavors available—Californian cold-pressed orange oil, in full conformity with the United States Pharmacopeia, and a product which we can proudly label—"Made in the U.S.A."

To further fortify our position, we were successful in interesting the citrus growers in Florida. There is now obtainable, in addition to the Californian cold-pressed oil, fairly substantial supplies of the Florida cold-pressed product, which, in the opinion of many, is equally as good as the western oil and in some cases is preferred.

This, therefore, assures you gentlemen of a normal supply of orange oil without any interruption because of lack of ships, priority rights, and other features with which you are acquainted when imported oils are 100 percent involved. It is my opinion that Italy will never regain her trade routes on these commodities.

Lemon Oil

Let us proceed to another well-known flavor—lemon oil. Formerly, we were entirely dependent upon Italy for our supplies, but again American ingenuity presented itself and we are now producing in California one of the finest lemon oils the world has ever known, fully recognized in the United States Pharmacopeia XI, and not only available in quantities sufficient to supply domestic demand, but foreign markets are coming to the good old U.S.A. for American-produced lemon oil.

Let me assure you, as far as I can ascertain at the present time, that you need not worry about this particular flavor; sufficient stocks are available—care and caution is taken in marketing this item under label, seal, and guarantee of the manufacturers.

Lime Oil

Now, may I suggest a brief review of another important flavor—lime? Both types of the oil are used in your industry, namely the distilled and the expressed, the former being more popular and in greater demand, produced, up until recently, chiefly in the British West Indies, available now in fairly substantial quantities, with some hindrances and ties by reason of the world war.

We, in the industry, saw the "handwriting on the wall," and by reason of our proximity to Mexico, ventured to present to plantation owners of thousands and thousands of acres of lime trees, the advisability of developing the American market for the oil. We have been successful and today Mexico finds one of her chief industries to be the distillation and expression of lime oil from the Mexican limes, in some quarters considered possibly slightly inferior to the West Indian, but in the majority of cases it is found that satisfactory results can be obtained.

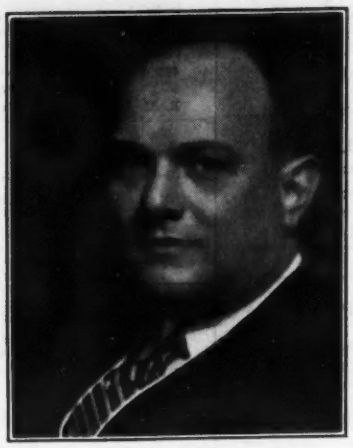
However, let us go a little bit further—again "Made in the U.S.A. presents itself—California has found that, in addition to the production of lemon and orange oils, limes can be successfully produced. The industry is now engaged in some very careful and thorough experiments, and there is procurable at the present time a limited quantity of Californian lime oil, distilled and expressed. This industry will develop, and as years roll by I feel confident that we can depend upon America for this product as we do for lemon oil and orange oil.

I might mention that there is produced in India a limited amount of lime oil, which formerly went to the London market, but since the world war some of this material has found its way into the United States, and it is quite satisfactory, and of good quality.

Summing up, we can depend upon supplies from British West Indies, Mexico, India, and the United States. So much for limes.

Chinese Oils

Let us return to China. While there are some difficulties of importation by reason of blockades and other details with which you are fully familiar, the Chinese, wise as they are, have anticipated conditions and



Percy C. Magnus

have consigned to their banking connections in this country, for sale to their important customers, substantial quantities of both anise oil and cinnamon cassia oil. In addition to this, we importers have, as stated, anticipated our requirements and are holding huge inventories on both these products. Just how long stocks will last, how long commerce will flow uninterrupted between China and the United States, one guess is as good as another; but we do feel that present stocks on spot, afloat, and ready for shipment, will be quite sufficient for some time, unless the unexpected happens. Unfortunately, to the best of my knowledge, there is no domestically produced oil of anise or of cinnamon cassia, but rumors point to the fact that possibly our neighbors in South America are experimenting and pioneering along these lines, and it would not be surprising to learn that oils were available in commercial quantities. We do not have full assurance along these lines, however, but South America and the United States of America are constantly on the alert to experiment and pioneer in order to reach a point where we manufacturers in America will be entirely independent of foreign markets on as many products as we possibly can.

Peppermint Oil

Let us take a glance at that most important flavor—peppermint. Ever since the inception of our industry in the United States, we have never been dependent upon our foreign friends for supplies. The United States has always grown the finest of peppermint herb, and the finest of oil has been distilled and yielded therefrom.

Wayne county in New York was one of the principal sources of supply, but as the industry grew and our requirements became larger, other States took up the cudgels. Now, fair portions of Michigan, Illinois, Indiana, and Ohio are producing thousands and thousands of pounds of this important flavor, to say nothing of the increasing production on the Pacific coast in the Northwest.

As we all know, this is very much the same as many other farm products. Peppermint oil is subject to supply and demand, fluctuations in price, crop conditions, and so forth, but it is fair to say that we will never be without a quantity of peppermint oil to supply our demand. Just as a matter of information, you are possibly aware that some of the foreign countries, prior to the World War, attempted to invade this market and offer Oleum Mentha Piperita for sale.

Spearmint Oil

Spearmint oil, not as popular in the confectionery industry as in the manufacture of chewing gum, is also produced in the United States.

We need have no worry concerning this product, other than possibly a fluctuating market, but this undoubtedly, like in the case of many farm commodities, will be controlled by our government, and we can take this from the "worry column."

Menthol

Let me invite your attention to the fact that while we were formerly dependent upon Japan for menthol crystals meeting the requirements of the United States Pharmacopeia, our good friends in China have been shipping to the United States substantial quantities of a fine quality menthol crystals, which has been well received.

Further to this American ingenuity again stepped in and we have produced a synthetic menthol which is of good quality and gives excellent results, and is fully recognized in the U.S.P. Those who have dealt in this commodity for any time, for any quantity, are well aware of its speculative nature and are undoubtedly seasoned as to when and where to buy.

Eucalyptus Oil

Another important ingredient is—eucalyptus oil or the terpeneless eucalyptus oil, known as eucalyptol.

Eucalyptus oil is chiefly produced in Australia, huge quantities coming to this market year in and year out. However, South America has found its way into the production of very substantial quantities, and in addition to looking to Australia we also find that Brazil will be helpful in favoring us with our supplies.

Further, we learn that many firms are now experimenting with the operation of domestic production of this oil. However, insofar as I can see at the present time, by reason of spot stocks, accumulated inventories, and shipments afloat, and to move forward at an early date, we need not worry about supplies.

I appreciate that I have been rather lengthy in giving you some detailed information, but I wish to make it clear that all the foregoing is based on the present point of view and on the immediate future. No man has the vision to see very far ahead.

Will the United States become an active belligerent in this war? Your guess is as good as mine. If this country enters the war as a belligerent, a completely new set of circumstances will present themselves with relation to your business and mine. We cannot see very far into the future. It would be foolhardy for me to attempt to predict.

From the short-range viewpoint, therefore, we are prepared to serve you. Beyond that I cannot venture a prophesy. But in place of a prophesy I will bring you a pledge. We shall diligently continue our investigations. We shall do our utmost to make whatever adjustments are necessary, and alterations to fit the situation. We shall continue our studies for the development of new sources of supply. We shall seek, on your behalf, to make this country more nearly self-sufficient, or to develop sources in friendly countries, so that you will not be in need.

With endowments in our colleges and universities for research and laboratory work, with the Department of Agriculture of our Federal government exerting itself to the utmost, with a group of progressive, enlightened, and forward-looking suppliers, I close with this word of encouragement—that your flavors, so essential to your products, will be supplied to you!

Geiling Mendel Medalist

Dr. Eugene M. K. Geiling, professor of Pharmacology at the University of Chicago, has been awarded the 1941 Mendel Medal, bestowed by Villanova College, Villanova, Pa., for outstanding achievement in science. Dr. Geiling gained fame for his work on insulin and gland studies.

Bids Wanted

—*Continued from page* 4

Paraffin Wax:—250,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 2445, opening June 17.

Soda Hyposulphite: — Supplies for three months period beginning July 1; Veterans Administration, Washington; invitation 713, opening June 9.

Solvent, Volatile:—1,100 gallons; Commanding General, Rock Island Arsenal, Ill.; circular 1950, opening June 12.

Thiodiglycol: — 10,000 pounds; Chemical Warfare Service, Edgewood Arsenal; invitation 1186, opening June 12.

Wheat Flour:—1,250,000 pounds for Brooklyn; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 7254, opening July 9.

Defense Contract Awards For Period May 1 to 15

Chemicals, oils, drugs and related products required in connection with the program for national defense were awarded on contract by the Army and Navy for the period May 1 to 15 as follows:—

Army Ordnance

Acid, Sulphuric:—$1,018; Grasselli Chemicals division of E. I. duPont de Nemours & Co., Philadelphia, Pa.

Calomel:—$4,199; Chas. Pfizer & Co., Brooklyn, N. Y.

Carbon Tetrachloride: — $4,965; James Good, Inc., Philadelphia, Pa.

Chemicals:—$5,790; E. I. duPont de Nemours & Co., Gibbstown, N. J.
$1,351; E. I. duPont de Nemours & Co., Paulsboro, N. J.
$436,400; Hercules Powder Company, Kenvil, N. J.

Lead Azide:—$47,388; E. I. du Pont de Nemours & Co., Pompton Lakes, N. J.

Magnesium Powder: — $5,950; National Metals Company, San Francisco, Calif.

Oil:—$1,657; Texas Company, Boston, Mass.

Fuel:—$3,619; Ballard Oil Company, Wethersfield, Conn.

Propellent Increments:—$2,265; Hercules Powder Company, Kenvil, N. J.

Army Medical Corps

Alcohol, Ethyl:—$66,639; Publicker Commercial Alcohol Company, Philadelphia, Pa.

Chemicals:—$2,461; Mallinckrodt Chemical Works, St. Louis, Mo.

Drugs:—$152,971; Merck & Co., Rahway, N. J.
$18,687; E. R. Squibb & Sons, Brooklyn, N. Y.

Ether:—$26,904; E. R. Squibb & Sons, New Brunswick, N. J.

Serum:—$64,800; Sharp & Dohme, Inc., Philadelphia, Pa.

Soap:—$39,322; Crystal Soap & Chemical Company, Philadelphia, Pa.

Navy Department

Cuprous Oxide:—$43,500; Powder Metals & Alloys, Inc., New York.

Ferromanganese:—$12,593; Republic Chemical Corporation, New York.

Ferrosilicon:—$5,782; Electro-Metallurgical Sales Corporation, New York.

Gasoline Motor:—$13,010; General Petroleum Company of California.
$10,530; Standard Oil Company of New Jersey, New York, N. Y.
$74,468; Shell Oil Company, San Francisco.
$15,568; Signal Oil Company, Los Angeles.
$168,826; Standard Oil Company of California, San Francisco.
$11,955; Tide Water Associated Oil Company, San Francisco.
$215,935; Union Oil Company of California.

Gum, Dammar:—$13,740; Gillespie-Rogers-Pyatt Company, New York.

Lead:—$111,062; American Metal Company, New York.

Oil, Aviation Lubricating:—$6,078; Kendall Refining Company, Bradford, Pa.

Diesel, Engine:—$6,405; General Petroleum Corporation of California.
$8,495; Union Oil Company of California.

Navy Fuel:—$624,500; Standard Oil Company of New Jersey.
$382,800; Socony Vacuum Oil Company, New York.

Resin, Synthetic:—$22,500; Resinous Products & Chemical Company, Philadelphia.

Shortening, Vegetable:—$5,166; Procter & Gamble Distributing Company, Cincinnati.

Starch, Corn:—$12,090; National Starch Products Company, New York.

Tin:—$290,500; Tuthill & Co., New York.

Army Engineers Corps

Paint:—$5,396; Sherwin-Williams Company, Louisville.

Army Quartermaster Corps

Graphite:—50,000 tins, $5,750; Presto Gas Manufacturing Company, Chicago.

Chemical Warfare Service

Soda Lime:—$12,000; Porcelain Enamel & Mfg. Company, Baltimore.

Marine Corps

Paint:—$1,325; Rose-Diehl Paint Corporation, Philadelphia.

Vick Adds Pepin, Gerlach To New Products Division

The new Products division of Vick Chemical Company has added Rene Pepin, who becomes market research director of the division and Dr. George Gerlach, who heads laboratory purchasing, production and control. Mr. Pepin was with Capper Publications, where he was research director of *Household Magazine*. Dr. Gerlach was recently vice-president in charge of production at Strong Cobb & Co., Cleveland.

Drugs, Fine Chemicals

Methanol Advanced as Scarcity Makes New Business Impossible in Derived Products — Silver Gelatin Strong at Advance—Castor Beans Higher Again

Shortages in drugs and fine chemicals became increasingly a factor of importance in the market for drugs and fine chemicals last week. Producers indicated that inability to secure normal stocks of raw materials was reducing the productive output of plants equipped readily to turnout a volume considerably in excess of merchandise flowing from the plants at this time. In cases where production is being maintained, demand stepped in to render the supply less than actual market needs. The situation as to supplies was getting steadily tighter and relief seemed to be promised only by the creation of new production of needed raw materials.

Actual changes in prices were inconsiderable during the period but more and more did producers' quotations mean less and less when it came to filling needs of new manufacturing consumers or, in numerous instances, to supplying enlarged manufacturing of regular customers more often than not operating under contracts.

Castor beans in Brazil were higher but local buyers were aloof and castor oil failed to reflect the further rise. Silver gelatin was higher and substantially stronger. First quarter statistics will be found in the market report. Methanol in some quarters was higher in a strong, undersupplied market that has rendered derived items almost impossible of purchase. Cocoa butter declined further.

Price Changes

Advanced

Castor beans, $4 per long ton.
Gelatin, silver, 10c. per lb.
Methanol, 10c. per gal.

Reduced

Cocoa butter, ½c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
210.7	210.3	210.1	201.5

Market news that may have developed after this report was sent to press will be found on page 4.

Acetanilide.—Very firm. No surplus of supply.

Acetone.—Little stock available for open market trading.

Acetophenetidin.—Production subject to some unsettlement in raw materials.

Acid, Acetylsalicylic.—Strengthening raw material affecting position of this derivative.

Acid, Ascorbic. — Active and in strong request.

Acid, Boric.—Second largest plant in country is stuck. Other makers unable to make good production shortage. Situation acute.

Acid, Citric.—No surplus. Regular customers not going short of material. New buyers get goods with difficulty. Consumption has risen parallel with shortage of tartaric acid.

Acid, Nicotinic.—New manufacturing projects faced by unsolved problem of getting this acid. Production well engaged ahead.

Acid, Tartaric.—No change in market surface. Underneath, ultimate shortage of raw material sufficient to seriously reduce acid production seems inevitable.

Alcohol.—Strong undertones keep market directed toward higher price levels to meet rising raw material costs and need for additional productive capacity.

Ammonia Benzoate.—Very firm. No sign of other than constant gain in market strength.

Ammonia Chloride.—U.S.P. in routine, small-way request.

Amyl Acetate.—Firm to strong. Excellent activity. Moderate stocks.

Amylene.—Apparently well stabilized.

Antipyrene.—Raw materials show strengthening trend.

Bismuth Metal and Salts.—Lacking new developments. Apparently steady.

Borax.—Shortage acute. Second largest plant in country closed by strike. Other producer-units unable to supply deficiency. Largest producer running full blast. Pressware plant of glass maker in Corning, N. Y., reports partial resumption operations. Work stopped May 14 by borax shortage.

Cadmium Metal and Salts.—Unquestionally strong. Metal scarce as Britons in Germany. High prices in resale market. Every pound of producer-output has an owner in advance. Resellers, $1.60 to $1.90 per pound. Producers, 90c.

Castor Oil.—Very firm. Selling in excellent volume. Costs ranging high. Beans higher at $72 per long ton.

CHICAGO, June 5.—Castor oil prices are:—Cold pressed, U.S.P., returnable drums, car lots, 11⅜c. per pound; drums, less than car lots, 12½c.; tanks, 10⅞c.; No. 3, extracted, returnable drums, car lots, 11⅛c.; drums, less than car lots, 12¼c.; tanks, 10⅝c.

Cocoa Butter.—Less demand. Down to 23½c. per pound.

Codliver Oil.—Substantial part of Iceland production due United States has arrived on strong market. Oil remaining in Iceland held for prices at parity with spot market. Quoted here $80 to $85, with tendency to make market actually close to outside figure.

Corn Syrup. — Excellent demand. Firm to strong undertones.

Cream of Tartar.—Little chance for delivery position improving. Strong market.

Diamylnaphthalene. — More stable market at recent reduction.

Emetine.—Very strong. Due to raw material strength. Less than normal supplies.

Epsom Salt.—Moving in excellent quantities. Very firm market.

Eserine. — Most quotations mean little.—Actual deliveries in reasonable quantities available only at very high prices.

Formaldehyde. — Reports say one most important plant unable to produce due to shortage in methanol caused by heavy production of ammonia. Producers' price schedules mean nothing to buyers of spot delivery merchandise. Resale reported high at 40c. per pound.

Gelatin. — Silver higher at 70c. to 77c. per pound. Strong market. Reserves reduced. Statistics covering production, stocks, imports and exports of edible gelatin, in first quarter of 1941 and 1940, provided by the

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Toilet Goods Ass'n, June 9-11, New York.
Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.

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CALCIUM SALICYLATE
Powder

LITHIUM SALICYLATE N.F.
Powder

MAGNESIUM SALICYLATE
Powder

SALOL U.S.P. (Phenyl Salicylate)
Granular

STRONTIUM SALICYLATE N.F.
Powder

Write for Current Products List

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Factories: Garfield, N. J., Fords, N. J.

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Cincinnati, Ohio
220 East 42nd Street
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SUBSTITUTES
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APEX CHEMICAL CO., Inc., 225 W. 34th Street, New York, N. Y.
Factory: Elizabethport, N. J.

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Bureau of Census, United States Department of Agriculture, follow:—

	Pounds	
	1941.	1940.
Production:—		
First quarter.....	6,976,842	7,315,099
Stocks:—		
First quarter.....	7,804,268	10,286,701
Imports:—		
First quarter.....	66,837	548,162
Exports:—		
First quarter.....	556,530	70,895

Fish Liver Oils.—Still strong, based on consumer needs and moderate supplies locally. Stocks should gain in not far distant future.

SAN FRANCISCO, June 4.—Vitamin oil market inquiries better. Market steady. High potency A materials in better demand. Trade interested in high rather than the low potencies. Shark livers should be in very good supply before long.

Ruling prices are:—

CRUDE SOUPFIN SHARK LIVER OIL.—High potency, 100,000 U.S.P. units vitamin A per gram, 8c. to 8¼c. per million units, f.o.b. Pacific Coast, in drums; medium potency, 50,000 to 80,000 units, 6⅝c.; 25,000 to 50,000 units, 6c.; lower potency, upwards of 10,000 units, 5¼c. to 5½c.

CRUDE TUNA LIVER OIL.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 58c. to 60c. per million units.

Glycerin.—Strong undertones prevail. Hope for price stability makes for strongly conservative sales policy on refiners' part. Holders of crude holding for higher prices in many instances.

CHICAGO, June 5.—Glycerin prices, C.P., tanks, 14¼c. per pound; drums, car lots, 14½c.; less car lots, 15c.; cans, less car lots, 16½c. to 17c.; high gravity, tanks, 13¾c.; drums, car lots, 14c.; less car lots, 14½c.

Homatropine.—Quotations mean little. Deliveries restricted most often to 5 grain bottles.

Hydrastine. — Quotations virtually nominal. Normal suppliers most often unable to supply more than in vials.

Hyoscine.—Any and all prices subject to confirmation. Open market quotations purely nominal. Any substantial quantity would be obtained only at extraordinarily high prices. Leading suppliers ration stocks.

Iodine and Iodides. — Warehoused stocks of crude fortunately substantial. Eventually, high transport cost from source may affect prices. Iodides routine.

Mercurials.—Showing much firmness and latent strength. Raw material lacking in weakness here.

Methanol.—Strong. One large producer's production reported cut by need for larger output of ammonia. Price trend upward. Consumption requirements expanding. May lead to resumption of operations by numerous crude natural methanol plants.

Methyl Acetone.—High volume demand. Low volume supply. Some unable to accept any business.

Molasses.—Blackstrap strong. In high demand. No surplus stock. Price tendency upward.

Mononaphthalene.—Steady at recent price decline.

TARTARIC ACID
Citric Acid
Cream of Tartar
Rochelle Salt
Saponin
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TRONA
MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

Monobutylamine.—Apparently firm. Prices stable.

Monoethanolamine.—Price stabilization maintained.

Quicksilver.—Prices holding. Little call.

SAN FRANCISCO, June 4.—Quicksilver market firmer. Buying light. Considerable interest in long-range purchasing at discounted prices. Production is used to fill previous contracts. Spot nearly bare of stocks. Quoted $180 per flask.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		—Bullion—	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34¾	23 7/16
Monday	24	34¾	* ..
Tuesday	24	34¾	23 7/16
Wednesday ...	24	34¾	23 7/16
Thursday	24	34¾	23⅜
Friday	24	34¾	23⅜

* Holiday.

Price-Fixing Charged Under Loss Leader Act

—Continued from page 3

fendants. The Connecticut Food Council and district food councils established by it are said to comprise approximaely 85 percent of all grocery wholesalers and independent and retail chain stores in the State.

The indictment charged that, under the pretext of administering the State unfair sales practices act, the defendants formed the Connecticut Food Council and agreed to fix prices horizontally at levels higher than the act provided and to make such prices effective by threats of prosecution against grocers refusing to comply. The indictment also charged that the Connecticut Food Council announces uniform minimum resale prices higher than those provided for in the State act, claims that these are the minimum prices which the act allows, and seeks to prevent wholesalers and retailers from selling below such prices. Among the practices charged as illegal were treatment of the minimum costs set out in the statute as mandatory; requirement that merchandise sold more that thirty days after purchase be sold at replacement cost rather than invoice cost, even though replacement cost is calculated on a rising market.

Department of Justice officials emphasize that the indictment does not involve an attack upon the State law or upon activities designed merely to comply with the act, but is directed against unauthorized activities, such as horizontal price-fixing, which are not permitted under the law. Officials also point out that the unnecessary price increases brought about under guise of compliance with the State law run directly counter to efforts of national defense auhorities to hold price increases on food products to a minimum.

R.E. Gruber Honored By Rutgers University

Rudolf E. Gruber, vice-president of Merck & Co., manufacturing chemist, Rahway, N. J., received an honorary degree of Doctor of Science at the

Blank & Stoller

Rudolf E. Gruber

forty-eighth annual commencement of the College of Pharmacy of Rutgers University.

Mr. Gruber has been associated with Merck & Co. since 1916, the year of his graduation from Massachusetts Institute of Technology. In 1918 he was made works manager and occupied that position until 1924, when he was made vice-president in charge of new products.

Trade Briefs

Lee H. Bristol, vice-president of Bristol-Myers Company, this city, was a principal speaker at the luncheon meeting, May 29, of the Export Advertising Association at the Midston House.

Eastman Kodak Company, Rochester, N. Y., has named Charles K. Flint a vice-president and Edward S. Farrow production manager. Mr. Flint has been general manager of the Kodak Park plant since 1936.

Star Springs Mercury, Inc., has been organized in Los Angeles county with 2,500 shares of no par value capital stock. The new corporation is represented by Dudley R. Furse, 202 Equitable building, Los Angeles, Calif.

Chrome ore production is being substantially developed in the Forest Hill district in California, and the region gives promise of revivification as an important producer. Much of the ore is being handled by Western Minerals Associates, Fresno.

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ESERINE—Salicylate U.S.P.—Sulphate U.S.P. VIII
HOMATROPINE—Homatropine Hydrobromide U.S.P.
HYDRASTINE—Hydrochloride N.F.—Sulphate
HYOSCINE—Hyoscine Hydrobromide U.S.P.
HYOSCYAMINE—Hydrobromide U.S.P. X Sulphate
LOBELINE—Lobeline Sulphate
PILOCARPINE—Hydrochloride N.F.—Nitrate U.S.P
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VERATRINE
YOHIMBINE—Yohimbine Hydrochloride

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SAPONIN
STROPHANTHIN (K) U.S.P.
QUASSIN

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

A.Ph.M.A. Meeting To Discuss Defense

—*Continued from page* 3

Tuesday, June 24

Morning Session

Conference of the American Pharmaceutical Manufacturers' Association with the Harvard Graduate School of Business Administration, at Boston, Mass.
Fundamental national defense problems.

(a) Impact on National and Industry Economy Discussion: Clyde O. Ruggles, professor of public utility management and director of research; Henry I. Harriman, formerly President of Chamber of Commerce of the United States; S. DeWitt Clough, president of Abbott Laboratories, Chicago; Ralph R. Patch, president of E. L. Patch Co.

Tax Increase, Discussion: Dan T. Smith, associate professor of finance and taxation; R. Lincoln McNeil, president of McNeil Laboratories; James G. Flanagan, general counsel of S. B. Penick & Co.
Lincensing of Interstate Corporations.
Discussion: Charles C. Abbott, associte professor of business economics; Charles Wesley Dunn, of the general counsel of the American Pharmaceutical Manufacturers' Association.

Afternoon Session

Fundamental Merchandising Problems.
Marketing; Discussion, Melvin T. Copeland, professor of marketing; J. T. Foy, president of Maltbie Chemical Company; Carl N. Angst, president of Pitman-Moore Company; Dr. C. E. Merrill, vice-president of United Drug Company; Dr. E. L. Newcomb, executive vice-president of National Wholesale Druggists Association.

Advertising: Discussion, Neil H. Borden, professor of advertising; Lansing Chapman, publisher of *Medical Economics*.
Fundamental Business Ideals.

Discussion, Thomas H. Sanders, professor of Accounting; B. F. Ascher vice-president of George A. Breon & Co., President of American Pharmaceutical Manufacturers' Association.

Wednesday, June 25

Morning Session

Reports by Industry and business policy committee, C. W. Warner, chairman.
Production committee, Dr. W. B. Baker, chairman.
Sales and advertising committee, J. L. Rogers, chairman.
Information Forum.
Research, Dr. Charles E. Vanderkleed, McNeil Laboratories.
National defense, Col. C. F. Shook, War Department.
Law, Charles Wesley Dunn.
Sales, Paul Klemtner, Paul Klemtner & Co.
Advertising, Dr. Frank Stockman, Winthrop Chemical Company.
Production, Francis Chilson, Production Consultant.

Thursday, June 26

Morning Session

Reports by Legislative committee, Fred A. Lawson, chairman.
Arbitration committee, Mr. Ralph R. Patch, chairman.
Trademark committee, C. W. Warner, chairman.
Publicity committee, Harry Phibbs, chairman.
Address, Charles Wesley Dunn, General Counsel.
Executive Session.
Reports by Resolutions committee.
Auditing committee.
Nominating committee.
Election of officers.

Entertainment Arranged

The entertainment side of the program lists the annual golf tournament, cod-fishing trip, cocktail parties, banquet and a clambake. Appropriate entertainment, including luncheons and bridge parties, has been arranged for the ladies.

A.M.A. to Appeal Antitrust Conviction

OPD Washington Bureau
June 4, 1941

The American Medical Association indicated today that it would file an immediate appeal from its recent conviction in Federal court on a charge of violating the antitrust laws through the conduction of a campaign against a local medical cooperative. The association was fined $2,500 late last week by Federal Judge James M. Proctor, who at the same time levied a fine of $1,500 against the Medical Association of the District of Columbia which was a joint defendant in the case.

The two medical societies were indicted, together with a Texas medical association and twenty-one individual physicians on charges of violating the Sherman antitrust law in opposing the activities of Group Health Association. All of the individual physicians were acquitted at the trial and the Harris county (Texas) Medical Society was eliminated from the indictment under a directed verdict by Judge Proctor.

Attorneys for the associations based their defense upon the grounds that the practice of medicine was a learned profession rather than a "trade," as defined by the Sherman act.

Effective Association Functioning Essential

—*Continued from page* 3

culating, in any form, current data as to the cost of the materials, operations, and other elements that go into the manufacture, sale, and delivery, provided, however, that such cost data shall not consist exclusively of average or weighted average costs of two or more manufacturers and that the cost of any individual manufacturer shall not be so identified by name or otherwise in any trade association publication as to be made known to its competitors.

(5) Exchanging information as to (a) credit and (b) specific current contracts for the sale of products for the sole purpose of avoiding interference with such standard contracts.

The consent decree contains nothing which limits the right of the National Container Association and its members to issue and circulate lists of current prices charged for products provided such lists are made available to the trade and competitors.

The provisions of the consent decree do not apply:—

(1) To any agreement between a manufacturer and its subsidiaries.

(2) To any agreement between a manufacturer and companies associated through common ownership or operating management.

(3) To any agreement between the subsidiaries of any such manufacturer.

(4) To the conduct of the operations of the individual business of any member of the National Container Association.

(5) To operations or activities of the National Container Association and its members outside of the United States, its Territories, and the Disrict of Columbia, or to their operations or activities within the United States, its Terriories, and the District of Columbia, which relate exclusively to foreign countries.

(6) To agreements or arrangements permitted by section 1 of the Sherman act as amended by the act of August 17, 1937, commonly called the Miller-Tydings act, or by the patent laws.

(To be continued)

F.D.A. Appropriation Cut Proposed in Bill

OPD Washington Bureau
June 2, 1941

A slight decrease in the appropriations for the Food and Drug Administration is carried in the appropriation bill for the Federal Security Agency reported to the house today by the appropriations committee.

The bill carries $2,415,926 for FDA for the fiscal year 1942, which is $326 below the estimates submitted by the Bureau of the Budget and $128,556 less than the appropriation for the current fiscal year. The bulk of the decrease, $125,080, was made in the funds for enforcement of the food, drug and cosmetic act, which is carried in the bill at $2,203,000. Minor reductions were made in items for general administrative expenses and for enforcement of other laws administered by FDA.

During hearings on the bill Commissioner Walter G. Campbell told the committee that an annual appropriation of around $5,000,000 would be necessary to provide satisfactory enforcement of the food, drug and cosmetic act.

Botanical Drugs, Spices, and Gums

Cube and Derris Very Active — Demand a Month Ahead of Normal—Prices Up, Spot and Forward—Pyrethrum in All Forms Easier and Lower

Insecticidal raw materials occupied a forward position in botanical market developments last week. Two important items were higher and one was lower. Prices on condimental items continued mainly upward in trend with occasional shifts to lower levels noted in a very few materials. General market undertones were notable for strength.

Cube and derris root came in for moderate price advances. Pyrethrum concentrates, as well as coarse and fine ground powdered pyrethrum were definitely easier and lower. The first two were in heavy demand. An early spring has brought crops along almost a month sooner than normal and raised by that much the call for insecticidal dusts. As to primary markets, cube is costing more at the source to stimulate collection while derris from the Far East is subject to all war-born conditions, such as shipping space scarcities, high ocean freights, and high war-risk insurance. In pyrethrum, Japan has reduced prices, and has met trade terms asked by American buyers except that Japanese sellers continue to insist on a Tokio assay for strength while New York importers insist on a New York assay. Meanwhile, Kenya Colony with new crops coming along and a large carryover from last year already in hand stands aloof temporarily, but is expected to prevent the Japanese from again getting control of the market.

Balsams

Peru.—Advanced again. Sold at 85c. to 90c. per pound. Higher replacement cost.

Tolu.—Quiet. Firm. Moderate stock.

Barks

Black Haw.—Slightly easier. Crop accumulating. Limited demand.

Cascara Sagrada. — Higher prices should not surprise. Collection likely to be less than expected.

Cinchona. — Barks being offered from point near Portuguese East Africa.

Sassafras. — Collections protecting future needs fairly well. Steady.

Beans

Calabar.—Goods for replacement offered at very low prices.

Vanilla.—Nothing new to be said. Very small stocks have to cover needs for many months to come. Practically nominal market. Little chance to replace stocks. Bonded warehouse holdings not excessive.

Berries

Prickly Ash.—Down to 25c. to 26c. per pound. New crop influence.

Raspberries. — Dealers here expect lower primary market prices. Spot quotations offered at 55c. to 60c. per pound.

Imports and Detentions

Entries of botanicals at the port of New York, since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags Detained.	Bags Entered.
Anise	98	1,204
Belladonna	19	25
Caraway	...	207
Cardamom (cases)	...	1,465
Celery	35	886
Coriander	15,146	30,048
Cumin	3,366	8,889
Digitalis leaves (cases)	...	...
Dill	3,118	13,978
Fennel	196	1,124
Henbane leaves (bales)	...	20
Mustard	...	7,362
Poppy	136	1,750
Sage leaves (bales)	134	3,258
Sesame	440	3,563
Stramonium	...	...
Thyme	895	991

Price Changes

Advanced

Arnica root, 20c. per lb.
Anise, Bulgarian, 7c. per lb.
Canary seed, Morocco, ¾c. per lb.
Caraway seed, 10c. per lb.
Celery seed, French, 2c. per lb.
Indian, 3c. per lb.
Coriander seed, natural, 2c. per lb.
bleached, 2c. per lb.
Cumin seed, Persian, ¼c. per lb.
Cinnamon, Ceylon, No. 2, ½c. per lb.
Gentian root, whole, 2c. per lb.
powdered, 2c. per lb.
ground, 2c. per lb.
Ginger root, Cochin, ½c. per lb.
Henbane leaves, 50c. per lb.
Mace, West Indian, 7c. per lb.
Nutmegs, West Indian, 1c. per lb.
Peru balsam, 8c. per lb.
Pimento, Jamaica, 4½c. per lb.
Thyme, French, 3c. per lb.

Reduced

Ammoniac gum, 5c. per lb.
Canary seed, Argentine, ¼c. per lb.
Clove, Madagascar, 2½c. per lb.
Zanzibar, ⅝c. per lb.
Fennel seed, Indian, 1½c. per lb.
Grains of paradise, 1c. per lb.
Guarana, powdered, 20c. per lb.
Laurel leaves, Turkish, 2c. per lb.
Portuguese, 4c. per lb.
Mustard seed, English yellow, 1c. per lb.
Paprika, Portuguese, fancy, ½c. per lb.
Pepper, chillies, Mombassa, ½c. per lb.
Pichi tops, 2c. per lb.
Pyrethrum, concentrate, 20-1, 15c. per gal.
30-1, 30c. per gal.
Pyrethrum powder, coarse, 1c. per lb.
fine, 2c. per lb.
Prickly ash berries, 3c. per lb.
Raspberries, dried, 5c. per lb.
Squill root, white, 5c. per lb.
Spearmint leaves, 2c. per lb.
Wormwood leaves, 5c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
270.2	264.5	259.4	196.7

Market news that may have developed after this report was sent to press will be found on page 4.

Flowers

Lavender.—Talk of lower prices on spot French flowers discounted. Mayhap some Spanish flowers may appear. Not comparable to French item.

Linden.—Slow market. Firm prices. Low supply.

Pyrethrum.—Easier. Japan reducing prices. Tend to meet local importers' terms save that calling for New York assay. Kenya colony expected to meet every move of the Japanese. Powder, coarse, 22c. to 23c. per pound; fine, 23c. to 24c. Concentrate, 20 to 1, $4.60 to $4.80 per gallon; 30 to 1, $6.90.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Amer. Phar. Mfrs. Ass'n, June 23-27, Swampscott, Mass.

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✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (116% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
✓UVA URSI
✓WILD CHERRY BARK
✓PALE ROSE BUDS

◆◆◆◆ QUOTATIONS AND SAMPLES ON REQUEST ◆◆◆◆

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LOS ANGELES

Gums

Ammonia.—Shaded to 80c. to 85c. per pound under competition.

Arabic.—Sorts about 18c. to 18¼c. per pound. Fractional shading possible on large orders. Sellers show reserve. Not accepting all orders. Awaiting clarifying shipping conditions.

Karaya.—Active. In fair reserve. Shipments have been larger than expected. Future uncertain.

Sandarac.—Very firm. Arrival further stocks uncertain.

Tragacanth.—Holding firm. Demand good. Further shipments from source still under cloud.

Herbs and Leaves

Belladona.—Probable domestic production uncertain. Tied in with drought conditions in numerous areas.

Henbane.—Sold at $3.50 per pound. Lack of seed prevented major domestic production effort.

Laurel.—Turkish shaded to 40c. to 42c. per pound. Portuguese, 30c. to 31c. Competition noted.

Pichi.—Quoted 8c. to 9c. per pound under competition.

Spearmint.—Moved at 28c. to 29c. per pound. Limited market.

Thyme.—French up to 65c. to 67c. per pound.

Wormwood.—Spot 70c. to 75c. per pound. Futures, if and when available, quoted at 50c.

Miscellaneous

Cassia Fistula.—Maintained at late advance. Firm.

Dragon's Blood.—Firm to stronger. Replacement uncertain.

Ergot.—Firm to stronger in all markets.

Guarana.—Lowered to $1 to $1.05 per pound. More stock.

Roots

Arnica.—Nominal around $1.50 per pound. No buying.

Arrowroot.—Some disposition to raise price noted.

Cube.—Earlier, heavier demand. Price up to 24c. to 26c. per pound. Higher at source to induce larger collection.

Gentian.—Higher. Whole, 62c. to 65c. per pound as to quantity. Ground, 64c. to 66c.; powdered, 65c. to 67c.

Derris.—May, June and July shipments, sold. Little offered ahead. Shipping space hard to get. Heavier and earlier spot demand. Price up to 25½c. to 27½c. per pound.

Gentian.—Higher. Whole, 62c. to 65c. per pound as to quantity. Ground, 64c. to 66c.; powdered, 65c. to 67c.

Squill.—White lower. Whole, 40c. to 42c. per pound. Powdered, 50c. to 52c. Might be shaded.

Seeds

Anise.—Bulgarian, higher at 37c. to 38c. per pound. Cyprus, no stocks. None likely later as Germans threaten to fly in as in Crete.

Canary.—Argentine shaded to 3.50c. to 3.80c. per pound. Morocco, higher at 4¾c. to 5¼c.

Caraway.—Make the market 80c. to 82c. per pound and then try to find some unattached seed.

Celery.—French 84c. to 86c. per pound. Practically nominal. India filling needs at 53c. to 54c. per pound, also up.

Coriander.—Prices jumped to 12c. to 12½c. per pound for natural; bleached, 13c. to 13½c. Sellers more reserved.

Cumin.—Persian higher at 17½c. to 18c. per pound.

Fennel.—Indian down to 9c. to 9½c. per pound.

Mustard.—Shaded to 26c. to 27c. per pound for English yellow. Montana growers try higher prices. Induce no buying.

Poppy.—Turkish jumped to 33½c. to 34c. per pound.

Spices

Cinnamon.—No. 2 higher at 24c. to 25c. per pound.

Clove.—Madagascar spice lower at 19½c. to 20c. per pound. Zanzibar down to 18¼c. to 18¾c. per pound.

Ginger.—All varieties firm. Cochin higher at 13c. to 13½c.

Mace.—West Indian prices jumped to 46c. to 48c. per pound.

Nutmegs.—West Indian higher at 14½c. to 15c.

Paprika.—Portuguese fancy shaded to 34½c. to 35c. per pound.

Pepper.—Generally firm. Little speculation. Mombassa chillies shaded to 25½c. to 26c. per pound.

Trading in black pepper futures on the New York Produce Exchange from June 2 to June 6, inclusive, comprised 138 contracts. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	6.50	6.27	6.35@6.40
July	6.08	6.02	6.11@6.15
September	6.18	6.09	6.16@6.20
October	6.32	6.15	6.19@6.25
December	6.40	6.15	6.25@6.30

Pimento.—Weakness stops abruptly. Prices upped to 32c. to 33c. per pound.

Phila. Drug Golfers Have a Wet Day

North Hills, Pa., June 4, 1941

Jupiter Pluvius took his toll of the annual outing of the Philadelphia Drug Exchange here today. Only forty-eight golfers out of an expected one hundred twenty-five slugged and sloshed their way around the rain-swept course of the Lu Lu Temple Country Club.

Charles Slater, of the J. T. Baker Chemical Company, achieved the low gross score. Tied for the runner-up place were R. H. Swindell, H. Sarkison, William Cleary, and Robert Reubush. H. E. Smith, jr., collected the high gross. Philip I. Heuisler and J. R. Dillworth tied for the low net.

Many members passed up golf to avail themselves of the slightly less fluid entertainment facilities offered by the clubhouse. Dinner was served promptly and the distribution of the prizes followed. Professional entertainment concluded the evening.

The arrangements were made by a committee headed by E. F. Schafer.

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Essential Oils, Aromatic Chemicals

Substitutes for Natural Essential Oils Gain Increasing Importance —Scarcity in Natural Oils Grows Acute—Synthetic Aromatics Strengthening — Far Eastern

Broad and full-flowing demand, centering chiefly in articles substituting for natural products either no longer obtainable, or prohibitively high in price, swelled volume in the essential oil and aromatic chemical markets last week. Strong undertones were the basis of all quotations, save in a few materials. In the main, the tendency and trend was upward.

Sweet almond brought conservatively higher prices and stocks were none too plentiful notwithstanding recent purchases of home-made oil from California. Higher bois de rose on spot only reflected higher source cost. Cassia brought higher prices but anise remained unchanged, though some were firmer, ignoring the report that consignment stocks were plentiful.

Cedarleaf and cedarwood showed strength and the former was definitely higher while the latter had a wider price range. Citronella held firm, the Java oil advancing. Distilled ginger was up sharply on lessened competition. Mexican linaloe was scarcer at a rise. Palmarosa was higher, spot and replacement. Also patchouli. Petitgrain was more valuable. Siberian pine-needle rose as stocks dropped. As with all Far Eastern oils, Java vetiver was hard to replace. Local sellers advanced values.

Although the most limited quantities were available, quotations for natural bergamot on the open market were actually lower than a month ago. Hemlock was shaded. Mexican distilled lime was more competitive. New crop expectations turned peppermint prices in buyers' favor.

Among aromatics, linalool, eugenol, linalyl acetate, and heliotropine were firm to firmer.

Essential Oils

Almond.—Sweet oil higher at $1.75 per pound minimum. Dealers quote:—Two at $1.75, and one each at $1.80, $1.85, and $1.90. Scarce.

Anise.—One seller at 78c. per pound. Two ask 82c., and two 85c. minimum. Reported consignment stocks heavy on this market.

Apricot.—Firm to firmer. Selling well.

Avocado.—Item finds steadily expanding attraction in cosmetic circles.

Bay. — Puerto Rico meeting stiff competition from West Indian production.

Bergamot. — Around first of the month, natural oil was $22 per pound, limited quantities, in three quarters. Last week, two quoted $20, same basis. Artificial oil fairly priced at $2.75 to $9.25 per pound. One seller quotes $4 to $4.50 per pound; another, $3.50 to $5; another, $3 to $5; another, $2.35; another, $2.75 to $9.25; and a final one at $4.

Bois De Rose.—Higher at $2.60 to $3 per pound to cover higher replacement cost.

Cajeput.—Firm to firmer. Good demand.

Calamus.—Still no stock..

Camphor.—In fair reserve. Very steady.

Cananga.—About normal. Substitutes getting larger play.

Cassia.—Up 10c. Market, $2.45 to $2.70 per pound as to seller. Two at $2.45; and one each at $2.50, $2.65, and $2.70 per pound. Reflects replacement position. Reported that a real shortage is some distance off, if ever

Cedarleaf.—Up 11c. Drums, range, 93c. to $1.30 per pound. No two sellers' prices coincide. Spot named at 93c., $1.05, $1.10, $1.15, and $1.30 per pound respectively. Source strong.

Cedarwood.—Unchanged at 27c. per pound minimum. Range wider to 30c. Two at 28c., one at 29c., one at 30c., and one at 27c.

Cinnamon.—Firm to strong, but unchanged.

Citronella.—Java 2c. higher at 50c. to 54c. per pound. Three sellers stand at 50c.; one at 52c., and one at 54c. Ceylon unchanged. Good demand. Replacement slow and uncertain.

Price Changes

Advanced

Almond, sweet, 5c. per lb.
Bois de rose, 35c. per lb.
Cassia, 10c. per lb.
Cedarleaf, 11c. per lb.
Citronella, Java, 2c. per lb.
Eugenol, 25c. per lb.
Ginger, distilled, 45c. per lb.
Linaloe, Mexican, 75c. per lb.
Linalool, 65c. per lb.
Palmarosa, 20c. per lb.
Patchouli, 10c. per lb.
Petitgrain, Paraguay, 5c. per lb.
Pineneedle, Siberian, 15c. per lb.
Vetiver, Java, 50c. per lb.

Reduced

Bergamot, natural, $2 per lb.
Hemlock, 5c. per lb.
Lime, distilled, Mexican, 50c. per lb.
Peppermint, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
199.6	204.5	196.4	168.9

Market news that may have developed after this report was sent to press will be found on page 4.

Clove.—Spot spice easier and lower. No change in oil.

Coriander.—Range wider. Market, $14.50 to $20 per pound. Local dealers quote $14.50, $17, $17.50, $19.50, and $20 respectively. Only domestic distillation available.

Croton.—Steady to firm. One less holder than early in May.

Dill. — Active season lies ahead. Prices very firm now.

Eucalyptus.—South American production becoming more important.

Ginger.—Distilled oil higher at $4.75 to $6 per pound. Some do not offer. One seller at $4.75; one at $5.50, and two at $6.

Hemlock.—Shaded 5c. to 90c. to $1.25 per pound. Two name $1 lowest. Single seller at 90c.

Lavender.—Purely nominal market. Substitutes gaining steadily.

Lemon.—Demand broadening some. Cool weather holding up expansion. Domestic producers facing full brunt of supplying needs.

Lemongrass.—One quoter alone on spot. Market $1.75 per pound nominal. Spot supply practically exhausted.

Lime.—Some Mexican distilled oil available low as $5.25 per pound.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Toilet Goods Ass'n, June 9-11, New York.

West Indian quoted $5.85 to $6.75. Slightly more competition.

Linaloe.—Prices moved up to $2.50 to $2.85 per pound. Fewer holders. Two at $2.50; one at $2.85. One former seller sold out.

Nutmeg.—Minimum prices likely to disappear. Very firm.

Orange.—Moving well, considering the generally cool weather. Prices very firm. Major part of demand reaches domestic makers.

Palmarosa. — Higher by 20c. per pound. Market $3.20 to $4 per pound. Most sellers want $3.25 inside. Reflects first costs.

Patchouli. — Advanced 10c. per pound. Market $4.85 to $6. Some domestic-distilled oil held at $8. Single seller at $4.85. Two want $5.50 minimum and two want $5.75 and $6 respectively. Replacement cost rising.

Peppermint. — Shaded 10c. per pound. Natural oil, $3.40 to $3.65 per pound in drums. Redistilled usually 25c. higher. New crop becoming a price influence.

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Petitgrain.—Up 5c. per pound. Market, $1.40 to $1.45 per pound in drums. Cans, 5c. higher. Replacement firm to firmer. Fair call.

Pineneedle.—Price upped 15c. per pound. Spot, three sellers at $1.40 and two at $1.50 and $1.55 per pound respectively.

Rose.—Natural oil in low supply. High demand for artificial.

Rosemary.—No weakness. Steady demand.

Sage.—Purely nominal.

Sandalwood. — Firm. Sellers reserved.

Vetiver.—Java oil up 50c. Market, $7.25 to $7.50. No oil in one quarter. Three dealers make market $7.50 minimum. Replacement uncertain and expensive.

Wormwood.—One quotes $4.50 per pound; two want $4.75; and a fourth names $5 minimum. Little or no demand.

Aromatic Chemicals

Acetophenone.—Firmer. Call up.
Acid, Phenylacetic.—More demand.
Alcohol, Benzyl.—Less call. Firm.
Amylcinnamic Aldehyde.—Stronger.
Amyl Salicylate.—More activity.
Benzylidinacetone.—Good volume.
Bromstyrol.—Excellent demand.
Cinnamic Alcohol.—Stock shrinks.
Citral.—Firm at late rise.
Citronellal.—Movement active.
Citronellol.—Demand expanding.
Diacetyl.—Firm to firmer. Active.
Diphenylmethane.—Still quiet.
Diphenyl Oxide.—Activity gains.
Ethyl Benzoate.—Firm undertones.
Ethyl Butyrate.—Volume steady.
Ethyl Cinnamate.—Much firmer.
Ethyl Oenanthate.—Call less.
Ethyl Oxyhydrate.—Steady.
Ethyl Propionate.—Volume holds.
Ethyl Vanillin.—Fine demand.
Eugenol.—Higher at 82c.
Eucalyptol.—Definitely firm.
Linalool.—Up to $3.75 per pound.
Linalyl Acetate.—Stronger.
Methyl Anthranilate.—Activity up.
Methyl Cinnamate.—Good demand.
Musk.—Activity increases.
Phenylacetaldehyde.—Activity up.
Safrol.—Little competition.
Strolyl Acetate.—Sales active.
Terpinyl Acetate.—Very firm.
Terpineol.—Stocks contracting.
Vanillin.—Volume maintained.

Toilet Preparations Exports In March Tabulated

The value of United States exports of toilet preparations during March, 1941, according to the Bureau of Foreign and Domestic Commerce, was as follows:—

Classification.	Value.
Dental creams	$148,420
Other dentrifices	14,585
Talcum powder in packages	64,983
Face and compact powder	65,659
Cold creams	11,348
Vanishing creams	6,177
Other creams, lotions and balms	27,936
Rouges	17,075
Lipsticks	84,136
Other cosmetics	17,119
Manicuring preparations	21,365
Depilatories and deodorants	4,765
Hair preparations	56,957
Perfumery and toilet waters	46,881
Other toilet preparations	37,103

Squibb Sells $5,000,000 Sinking Fund Debentures

E. R. Squibb & Sons, pharmaceutical manufacturer, Brooklyn, has sold privately to a New York insurance company $5,000,000 in twenty-year 3¼ percent sinking fund debentures. The money will be used to refund the corporation's $2,500,000 ten-year serial bank notes, pay for recent laboratory additions and add to working capital.

Fritzsche Research Head Back from Mexico, Guatemala

Dr. E. S. Guenther, chief research chemist for Fritzsche Brothers, Inc., recently returned from a five-week trip through Mexico and Guatemala, reports promising possibilities for the further development of essential oil sources on the American continent. In the regions visited, conditions of soil, altitude, and climate are favorable and the wild plants grow in greatest profusion. The matter of educating native producers, however, in proper cultivation and eventful plant distillation, would require much time and patient cooperation before such work could bear fruit.

Dr. Harold Urist has joined the vitamin divisions of the National Oil Products Company, Harrison, N. J.

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Petroleum Products

Petroleum Naphthas and Solvents Advanced at N. Y. and N. J. General Market Activity Exceptionally Brisk — Crude Scale Paraffin Higher—Pennsylvania Lubricants Advanced

The exceptional strength in various petroleum solvents and naphthas, noted for the past several months, resulted in general price advances at New York and New Jersey last week. Tankcar quotations were advanced one-half cent per gallon and a one cent increase was made in tankwagon prices. High-solvency, aromatic naphthas remained unchanged.

The general refined petroleum market was maintaining its exceptional level of activity during the period. There was a lull in the Midcontinent, but buyers there merely were not placing orders until June 11 when the freight rates will be reduced. Crude scale paraffin, Pennsylvania lubricants, and Gulf Coast gasoline were advanced.

For a detailed account of the shifting activities in the petroleum market, embracing the tanker situation, price probes, governmental action and the construction of pipelines, see the story on page 3 of this issue.

Solvents and Diluents

Aromatic Naphthas.—In good call. Stocks small. Prices firm.

Cleaners' Naphtha.—Advanced ½c. per gallon in tanks to 9c. for New York and 9½c. for New Jersey.

Lacquer Diluent. — Advanced ½c. per gallon in tankcars. New York price at 10½c. and New Jersey at 11c.

Mineral Spirits.—Hiked ½c. per gallon to 9c. at New York and 9½c. at New Jersey, for tanks.

Rubber Solvent.—Tankcars 10c. per gallon at New York and 10½c. at New Jersey, a ½c. advance.

Stoddard Solvent.—Up ½c. per gallon to 10c. at New York and 10½c. at New Jersey, for tankcars.

V.M. & P. Naphtha.—Tankcars up ½c. New York, 10c.; New Jersey, 10½c.

Markets at Other Centers

Chicago—June 6

Demand was good for virtually all grades of solvents and diluents. Inquiry was active.

AROMATIC NAPHTHAS.—Demand heavy, prices strong.

CLEANERS' NAPHTHA.—Active orders, market firm.

LACQUER DILUENT.—Movement good, no change in price.

MINERAL SPIRITS.—Shipments in good volume, no quotation change.

RUBBER SOLVENT.—Buyers interested. Values steady.

STODDARD SOLVENT.—Buying steady, market firm.

V. M. & P. NAPHTHA.—Firm tone, prices holding.

New Orleans—June 6

A seasonal demand continued to be experienced on cleaning solvent and V.M.&P. naphtha, with prices exhibiting the usual stable trend.

CLEANING SOLVENT.—Demand routine; price steady.

V.M.&P. NAPHTHA.—Movement normal; no change in price.

San Francisco—June 6

Producers tell of no apparent slackening in the demand for special petroleum products. The week under review ran on an average with the several previous weeks, with the emphasis still on paint raw materials.

AROMATIC NAPHTHAS.—Market steady. Demand very good.

PETROLEUM THINNERS.—Remains active.

LACQUER DILUENT.—Good call.

V. M. & P. NAPHTHAS.—Movement good.

RUBBER SOLVENT.—Demand in this division fair.

STODDARD SOLVENT.—Fair demand.

CLEANERS' NAPHTHA.—Routine.

Tulsa—June 6

Deliveries for spot were lagging due to lower freight rates becoming effective June 11. Buyers were deferring their purchases.

CLEANERS' NAPHTHA.—Interest low. Quotations steady.

STODDARD SOLVENT.—Market quiet. Prices fair.

RUBBER SOLVENT.—Buyers delaying orders. Prices firm.

V. M. & P. NAPHTHA.—Fair market. Quotations unchanged.

MINERAL SPIRITS.—Demand quiet. Prices steady.

Price Changes

Advanced

Gasoline, 72-74, Gulf Coast, ½c. per gal.
Oil, lubricating, Pa., bright stocks, 1c. per gal.
cylinder oil, 600 flash, ½c. per gal.
neutral oils, 1c. per gal.
Paraffin, crude scale, N. Y., ½c. per lb.
Petroleum, lacquer diluent, tanks, ½c. per gal., N. Y. and N. J.
mineral spirits, tanks, ½c. per gal., N. Y. and N. J.
naphtha, cleaners', tanks, ½c. per gal., N. Y. and N. J.
V. M. & P., tanks, ½c. per gal., N. Y. and N. J.
solvent, rubber, tanks, ½c. per gal., N. Y. and N. J.
stoddard, tanks, ½c. per gal., N. Y. and N. J.

Reduced

None.

Market news that may have developed after this report was sent to press will be found on page 4.

LACQUER DILUENT.—More interest. Prices firm.

Lighter Fractions

Butane.—Stocks very low. Demand heavy. Price strong. Resales reported at 1c. per gallon above list.

Heptane. — Heavy demand. Prices firm.

Hexane.—Good call. Quotations unchanged.

Octanes.—Broader movement. Tone stable.

Pentanes.—Scarce and strong. Demand good. Resellers reported asking 1c. above list.

Propane.—Market tight. Offerings light. Demand heavy. Resale material at 1c. above list.

Markets at Other Centers

Chicago—June 6

With supplies limited, most grades continue firm to stronger. Bidding is increasing, offerings restricted.

BUTANE. — Supplies limited, market strong.

HEPTANE.—Movement good, prices firm.

HEXANE.—Interest brisk, prices holding.

OCTANES.—Material strong, no price change.

PENTANES.—No large offerings, quotations firmer.

PROPANE. — Buyers bidding, price strong to unchanged.

Tulsa—June 6

Steady inquiries for light fractions force manufacturers to expand productive facilities. However, demand still exceeds supply.

BUTANE.—Large demand. Prices strong.

PROPANE.—Large inquiries. Prices steady.

PENTANE.—Good call. Quotations unchanged.

Petrolatums and Waxes

Paraffin.—Crude scale material reported at from 4.75c. to 5c. per pound, a ½c. advance. Very tight. Stocks very low, resales reported at 5¼c. Refined grades unchanged.

Petrolatums. — Heavy call. Prices steady.

White Mineral Oils.—Movement was broader. Quotations unaltered.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Markets at Other Centers

Chicago—June 6

Strength in paraffin continues to dominate the petrolatums and waxes. Petrolatums are quiet, with white mineral oils in good call.

PARAFFIN.—Limited supplies, market strong.

PETROLATUMS.—Movement fair, prices steady.

WHITE MINERAL OILS.—Orders better, market firm.

Tulsa—June 6

Very little interest was shown in the wax and petrolatum markets this week with quotations unchanged.

PARAFFIN.—Inactivity prevails. Quotations steady.

PETROLATUM.—Interest low. Quotations unchanged.

Fuels and Lubricants

Gasoline.—Heavy demand. Supplies light. Price strong.

Kerosene.—Good call. Price firm.

Lubricating Oils. — Pennsylvania bright stocks up 1c. per gallon to 20c. to 23½c. The 600 flash cylinder oil up ½c. to 11c. Neutrals advanced 1c. per gallon to 27c. to 30½c. for the 150 viscosity and to 29c. to 32½c. for the 200.

Markets at Other Centers

Chicago—June 6

Sharp call for gasoline features fuels and lubricants. Kerosene is moving well.

GASOLINE.—Demand exceptional, prices firm to strengthening.

KEROSENE.—Quiet strength shown, quotations steady.

LUBRICATING OILS.—Buying brisk, market strengthening.

New Orleans—June 6

Continued activity was evidenced in the gasoline market during the week, with all grades continuing the upward price swing of the last two weeks.

GASOLINE.—Demand fair; all prices advanced.

KEROSENE.—Market normal; price unchanged.

Tulsa—June 6

Prices of all products remained unchanged. Buyers were deferring orders until June 11 when lower freight rates become effective.

GASOLINE.—Some let-up in spot deliveries. Quotations strong.

KEROSENE.—Good call. Quotations unrevised.

NATURAL GASOLINE.—Market active. Quotations strong.

Standard Oil Company of New Jersey has sold to the M. & D. Equipment Company, Cincinnati, as a site for a plant, 100 square feet of land in North Bergen, N. J.

Standard Oil Company of Ohio will issue $5,000,000 principal amount of serial debentures for the purpose of securing additional working capital. Debentures will be sold privately.

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JAVOLLAL—A substitute for citronella; imparts cleaner, finer odor.
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SAFRELLA—A low priced, effective substitute for artificial sassafras.
NEUTROLEUM—Completely neutralizes the odor of all preparations based on petroleum distillates.
Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.
FRITZSCHE BROTHERS, Inc.

Oil Coordinator Ickes Gets Shortage Data

—Continued from page 3

Petroleum Coordinator. He made public a report prepared by this committee discussing transportation difficulties arising out of the transfer of fifty U. S. tankers to a shuttle service operated by the Maritime Commission to bring oil from Gulf and South American ports to Northern United States ports for transhipment to England.

Asked about shipment of petroleum to Japan, the Secretary said that subject was in the jurisdiction of the State Department, but he pointed out that curtailment of such shipments would not aid in getting oil to the East coast since only foreign-flag tankers are used in that trade.

Ickes Petroleum Coordinator

Appointment of Secretary of the Interior Harold Ickes as petroleum coordinator for national defense places the entire oil industry under the virtual dictatorship of Mr. Ickes. In his letter informing Secretary Ickes of his appointment, President Roosevelt stressed the need of coordinating existing Federal authority over oil and gas and assuring that the supply of petroleum and its products will be accommodated to the needs of the defense program.

Ickes Powers Outlined

Mr. Roosevelt outlined the duties and powers granted to Mr. Ickes as coordinator for the industry, as follows:—

1. To obtain currently from the States and their agencies, from the petroleum and allied industries, from the officers and agencies of your department, and from other appropriate Federal departments and agencies information as to (a) the military and civilian needs for petroleum and petroleum products, (b) the factors affecting the continuous, ready availability of petroleum and petroleum products for those needs, and (c) any action proposed which will affect such availability of petroleum and petroleum products.

2. To make specific recommendations to any appropriate department, officer, corporation or other agency of the Federal government, particularly the Office of Production Management and the Office of Price Administration and Civilian Supply, to the appropriate agency representing any State or any combination of States, and to any appropriate industry or part thereof, as to action which is necessary or desirable, on the basis of your determinations, to insure the maintenance of a ready and adequate supply of petroleum and petroleum products.

In carrying out these responsibilities, it is expected that you will consult with the several officers and agencies of the Federal government, and with the States acting severally or in any joint capacity, to the end that all governmental participation shall consistently further the purposes above outlined. It is also expected that you will consult with the petroleum industry and those industries which affect its functioning, to aid them in shaping their policies and operations in the discovery, development, production, processing, transportation, storage, distribution, marketing, consumption, and import and export of petroleum and petroleum products.

Antitrust Litigation Policy

In order to avoid any possible conflict between the Department of Justice and the administrative program to be established by the petroleum coordinator, Attorney General Robert H. Jackson today outlined a procedure by which the operations of the two agencies might be coordinated. In a letter to Mr. Ickes, the Attorney General explained that the procedure is designed to deal both with pending litigation and with any future matters which may arise.

As to pending litigation, Mr. Jackson said, all further negotiations with respect to any consent decree which might be proposed by the oil industry with respect to the antitrust action now before the district court in the District of Columbia against 22 major oil companies and the American Petroleum Institute will be submitted to the oil coordinator. In addition, the antitrust division of the department will keep Mr. Ickes informed as to the general course of the negotiations and will request his views "on any major issues which may arise in connection with specific proposals that may be made by the industry."

With respect to any apparent violations of the anti-trust laws uncovered by the office of the coordinator and which might be detrimental to the defense program, Mr. Jackson said that these cases would be given priority of investigation and prosecution, if the department is advised of them.

Tanker Shortage Solution

Meanwhile, a special fact-finding committee of the American Petroleum Institute, appointed at the request of the Office of Production Management to make a survey of transportation needs and facilities submitted a lengthy report to Dr. Robert E. Wilson, chief petroleum advisor to the OPM. Following the submission of the report the committee, at the request of Secretary Ickes, also submitted the report to him.

The committee urged the establishment of an industry committee to confer with and advise the coordinator with respect to tankers, barges, pipelines and railroads which might be utilized in overcoming the present inadequate transportation to the Eastern seaboard.

Explaining that due to the recent transfer of fifty-five tankers to the British service there is a present shortage of tanker tonnage amounting to 494,000 deadweight tons, the committee recommended that this shortage be met through the building of vitally needed pipelines from the East Texas oil fields to refining centers near Philadelphia and New York, extension of and construction of loops between present pipelines, rearrangement of tanker routes, easing of load line limitations on tankers, rearrangement of South and Central American supplies, and more effective use of barges.

Home Heating Curtailment

Meeting with Secretary Ickes following his appointment as coordinator, representatives of the Oil Burner Institute pledged full cooperation and announced a campaign to save substantial amounts of heating oil during the emergency by bringing about more efficient use of heating equipment in American homes, buildings and factories. The program of the Institute was outlined as follows:—

1. A war on waste. This is a country of plenty, and our bounties in oil and other materials and products, with intelligent use and conservation, can prevent arbitrary rationing and restriction.

2. Bring up the efficiencies of existing oil burner equipment by raising the minimum operating requirements to, or above, commercial standard CS 75-39. An estimated saving in fuel from 25 to 30 percent is possible.

3. Require minimum commercial standards in all the new installations and request government agencies to cooperate by insisting on the same compliance to standards in their purchases.

4. Better house insulation practice, weather stripping, etc., in the interest of conservation of heating fuels.

5. A cooperative program with other agencies using petroleum products to conserve oil by eliminating waste. Inefficient use of motor cars and trucks affords a big field for fuel savings.

6. Conservation of use by greater efficiencies in all fields, as a practical defense measure.

Calif. Crude Price Probe

Extension of the monthly reporting system under the Connally act to oil producing areas not now included in the reporting practice in three important oil States was announced by Secretary Ickes.

The areas to be covered by the extension are the Gulf coast of Texas and certain fields in West Texas, all of Louisiana and the substantial producing areas of New Mexico. In these areas, monthly reports will be required from producers, transporters and storers, and refiners of petroleum. The action is being taken under regulations signed by President Roosevelt as provided by the Connally act.

A conference with representatives of leading California oil producers and purchasers has been called by the Office of Price Administration and Civilian Supply to discuss the recent advances in crude oil prices in that State.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

Fully protected by Copyright

Three-hundred-eightieth Instalment

Photography

Solvents Used in Making Photographic Films

(Continued from June 2 issue)

Monohydroxyalkyl ethers of pentaerythritol
Monohydroxyalkyl ethers of polyhydroxy alcohols
Monohydroxylalkyl ethers of sorbitol
Naphthalene
Naphthols
Naphthyl acetate
Naphthyl ether
Naphthyl-magnesium halogen compounds
Nitroanilin
Nitroformin
Nitronaphthalene
Nitrotoluene
Octyl-(2-ethylhexyl) acetate
Octyl-(2-ethylhexyl) alcohol
Orthodichlorobenzene
Orthonitrotoluene
Paracetate
Paraethyltoluenesulphonamide
Paratoluenesulphonamide
Pentacetate
Pentachloroethane
Pentaerythritol
Pentaerythritol acetate
Pentaerythritol benzoate
Pentaerythritol maleate
Pentaerythritol nitrate
Pentaerythritol oxalate
Pentaerythritol phthalate
Pentaerythritol succinate
Pentasol
Perchloroethylene
Persprit
Petrohol
Petrol
Petroleum ether
Petroleum naphtha
Petroleum spirits
Phenyl acetate
Phenyl ether
Phenyl glycide
Phenyl salicylate
Phorone
Phthalic acid esters of 2-butyloctanol
Phthalic esters
Pine oils
Polyhydroxy alcohols
Propyl acetate
Propyl alcohol
Propyl benzoate
Propyl chlorostearate
Propyl furoate
Propyl myristate
Propyl palmitate
Propyl stearate
Proplene oxide
Resorcinol diacetate
Resorcinol monoacetate
Rosin spirit
Solvent E13, E33, GCmRS200, 8950, and 555
Solvent naphtha
Solvesso
Solvol
Sorbitol
Sorbitol acetate
Sorbitol benzoate
Sorbitol formate
Sorbitol maleate
Sorbitol nitrate
Sorbitol oxalate
Sorbitol phthalate
Sorbitol succinate
Steam-distilled turpentine
Tamasol J
Terpine
Terpineol
Tetrachloroethane
Tetrachloroethylacetanilide
Tetracol
Tetraform
Tetralin
Terpineol butyrate
Terpinyl acetate
Tetrahydrofurfuryl acetate
Tetrahydrofurfuryl alcohol
Toluene
Toluene (65 percent) and butyl acetate (35 percent)
Toluenemonoethylsulphonamide
Tolueneparamonoethylsulphonamide
Triacetin
Triamyl borate
Trichloroanilin
Trichloroethylene
Trichloromethylacetanilide
Tricresyl phosphate
1:1:3-Trimethylcyclohexanone
Trinaphthyl phosphate
Triphenyl phosphate
Turpentine
V.M. & P. naphtha
Wood spirits
Wood turpentine
Xylene

Stabilizers for Photographic Emulsions

Algic acid
Algins
Alginates
Amidazoles
Ethanolamine palmitate
Gum arabic
Halogens
Halide salts
Stearin
Sulphonated oils

Tinting Agents for Photographic Films

Bismuth ferrocyanide
Bismuth nitrate
Bismuth sulphide
Cadmium ferrocyanide
Cadmium sulphide
Cobalt ferrocyanide
Cobalt sulphide
Copper ferrocyanide
Copper sulphide
Cupric nitrate
Ferrocyanides
Iron alum
Iron ferrocyanide
Iron sulphide
Lead ferrocyanide
Lead nitrate
Lead sulphide
Mercury ferrocyanide
Mercury sulphide
Molybdenum ferrocyanide
Molybdenum sulphide
Nickel ferrocyanide
Nickel sulphide
Potassium ferrocyanide
Silver ferrocyanide
Silver sulphide
Sodium sulphide
Tin ferrocyanide
Tin sulphide
Tungsten ferrocyanide
Tungsten sulphide
Uranium ferrocyanide
Uranium sulphide
Uranium nitrate

Toning Agents Used in Photographic Processes

Acetic acid
Alum
Aluminum chloride
Ammonium chloride
Ammonium sulphocyanide
Ammonium-osmium chloride
Borax
Calcium carbonate
Calcium chloride
Citric acid
Ferric chloride
Formic acid
Gallic acid
Gold chloride
Gold-potassium chloride
Gold-sodium chloride
Gold-sodium hyposulphite
Iridium chloride
Iron citrate
Lead acetate
Lead chloride
Lead nitrate
Palladious chloride
Platinum perchloride
Potassium carbonate
Potassium chloroplatinite
Potassium ferricyanide
Potassium ferrocyanide
Potassium-aluminum sulphate
Potassium-iridium chloride
Silver nitrate
Sodium acetate
Sodium bicarbonate
Sodium carbonate
Sodium chloride
Sodium hyposulphite
Sodium phosphate
Sodium sesquicarbonate
Sodium succinate
Sodium sulphite
Sodium tartrate
Sodium tungstate
Thiourea
Uranium nitrate

Wetting Agents Used in Photographic Processes

Abietenesulphonic acid
Acenaphthene
Acenaphthenedisulphonic acid
Acid amides
Acylated primary or secondary alkoxyarylamine meta- or paramonosulphonic acids of the benzene series with oleic acid or its anhydride or chloride
Aersol
4-Amino-1-ethoxybenzene-2-sulphonic acid with oleic acid
Albasol
Albatex
Alborit
Alcohol sulphates
Aliphatic ester sulphate
Alizarin assistant
Alkanol
Alkanol B
Alkylaryl sulphonates
Alkylaryl sodium sulphonates
Alkylated naphthalenesulphonic acid
Alkyldimethylbenzylammonium chloride
Alphasol
Aluminum naphthenate
Aluminum palmitate
Aluminum stearate
Amalgol
2-Amino-2-methyl-1:3-propanediol
2-Amino-2-methyl-1-propanol
Ammonium betatetrahydronaphthalenesulphonate
Ammonium laurate
Ammonium linoleate
Ammonium stearate
Ammonium sulphoricinoleate
Amyltetrahydronaphthalenecarboxylic acid
Anthracenesulphonic acid
Aquasol
Areskap 50, 100, 240, 300, 370, and 400
Aresket
Aresklene
Artic syntex
Avirols

(To be continued)

Fertilizer Materials

N. F. A. Convention Opens Today at White Sulphur Springs — Unchanged Sulphate of Ammonia Prices Seen —Supplementary Price Issued for Manure Salts

The annual meeting of the National Fertilizer Association opens today at White Sulphur Springs. Interest of the trade will be centered there in view of recent Federal activities in the fertilizer industry.

As reported, domestic sulphate of ammonia sales for the new season have been reported at unchanged prices. That all sulphate producers will maintain previous schedules seems probable in light of the request of the OPACS that no changes be made. Prices on fertilizer urea will be reduced, effective June 15.

A second supplementary price announcement was issued by a domestic potash supplier last week, which altered the price of manure salts in bulk, f.o.b. the mines. The general fertilizer material market was slow during the week. Imported 3 and 50 bone was advanced and blood and feeding tankage were reduced at New York.

The consent decree entered into with the government by the Allied Chemical interests and the du Pont company regarding marketing of synthetic nitrogen fertilizer products will be found on page 5 of this issue.

Nitrogenates

Anhydrous Ammonia. — Stocks small. Price firm.

Calcium Nitrate. — No offers. Price nominal.

Castor Pomace.—Demand sluggish. Prices steady.

Cyanamid.—Little interest. Stocks low.

Dried Blood.—Reduced 15c. per unit at New York to $3.10. Little interest.

Fish Scrap.—Prices maintained at previous levels. Market quiet.

Hoofmeal.—Small call. Price steady.

Manganese Sulphate. — Narrow movement. Price firm.

Nitrate of Soda.—No action yet on new prices for Chilean material. Small movement for top-soil operations.

Nitrogen Solution.—Routine call. Firm.

Nitrogenous Material. — Market slack. Prices unchanged.

Sulphate of Ammonia.—Small domestic demand, with quotations by resellers about $3 per ton above list. As reported, sales for the new fertilizer year have been made at unchanged prices.

Tankage.—Feed grade lowered 5c. per unit at New York to $3.10 and 10c. Demand small.

Urea.—Prices will be reduced June 15. The carlot quotation will be lowered $5 per ton to $80, f.o.b. Belle, W. Va., or various Eastern seaboard ports. Less carlots will be reduced $2.50 per ton to $82.50, f.o.b. Belle, W. Va., but will be unchanged f.o.b. Boston, New York, Philadelphia, Wilmington and Baltimore. The price for less than five tons will be $90 per short ton, f.o.b. New York and Philadelphia, a reduction of $1.

Potashes

A prominent domestic producer last week issued a second supplementary price announcement listing a new price for manure salts, bulk, f.o.b. cars, Carlsbad, N. M. The new quotation for carlots of minimum 25 percent manure salts is 21c. per unit of K_2O. The original price for run-of-mine grade at the mines was 48.8c. The announcement also stated:—

The very serious scarcity of ships and prohibitive charter rates asked when boats are obtainable combine to make it economically unsound and next to impossible to move this low grade commodity to Atlantic ports via water transportation at the present time. The outlook for the balance of the season is even less hopeful. For these reasons it is found necessary to announce the above stated price change.

Phosphates

Bone Materials.—Imported 3 and 50 percent advanced 50c. per ton to $36.50. Market tight. Demand small.

Price Changes

Advanced

Bone, imp., 3%-50%, 50c. per ton.

Reduced

Blood, dom., dried, 15c. per unit, f.o.b. N.Y.
Tankage, feed, 5c. per unit, f.o.b. N.Y.

Comparative Values

Index numbers compiled from four typical fertilizer materials, the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	68.0	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Phosphate Rock.—Demand narrow, prices steady.

Superphosphate. — Routine movement. Prices firm.

Sulphur and Pyrites

Narrow movement of crude sulphur reported. Demand for pyrites small. Offerings limited. Prices steady and unrevised.

Markets at Other Centers

Atlanta—June 6

Of greatest concern in the Southeast is the effect of an unprecedented drought on crops. The situation is considered very serious but not hopeless if rain should come within a few days. Market quiet.

COTTONSEED MEAL.—8 percent grade, $26 per ton. Southeast.

BLOOD.—$3.15 per unit, Chicago.

BONE.—3 and 50, $35 per ton, Chicago.

NITROGENOUS.—$1.90 per unit, Midwestern producing points.

Baltimore—June 6

The market for crude materials seems to have slowed down, and for the most part buying interest is none too active.

FISH SCRAP.—About 400 tons of scrap have been sold at $4.40 and 10c. per unit-ton, on a when-and-if-made basis, Baltimore, but with buying interest not very broad. Spot meal is at $62 per ton.

SUPERPHOSPHATE. — Quotations remain nominally at $8 per ton for run-of-pile, with 16 percent at $8.50.

SULPHATE OF AMMONIA.—No impressive amount of business in this material is being developed, with the domestic market still hanging around $33 to $35 per ton.

Chicago—June 6

A tendency to mark time was noted in the fertilizer materials market here in the last few days. Blood is moving fairly well. Tankage business is irregular. Bone materials are quiet.

BLOOD.—Principal grade, $3.15 per unit.

TANKAGE.—High grade, feeding, $3.50 and 10c.; hoof meal, $2.70 to $2.75; liquid stick, $1.50 to $1.75.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $35; 4½ and 50 percent, $34; grinding hoofs, pigs' toes and waste horn materials, $35 to $40; cattle jaws, skulls and knuckles, $32.50 to $35; beef cracklings, soft pressed, $37.50 to $40; pork cracklings, soft pressed, $40 to $45; hard pressed cracklings, per unit of protein, 75c. to 80c.

San Francisco—June 6

This market was slow and without particular feature. Prices were unchanged.

SULPHATE OF AMMONIA.—Domestic, $38 per ton.

SUPERPHOSPHATE. — Domestic, 80c. per unit in bulk, f.o.b. San Francisco. Bags, 91c.

NITRATE OF SODA.—100-pound bags, $29.40 per ton, ex-vessel or warehouse. 167-pound bags, $28.70. Bulk lots at $27.

FISH MEAL.—Futures, delivery out of new crop, quoted at $72 to $75 per ton for 67 percent protein material, San Francisco Bay points. Monterey, 65 percent protein, at $67.50.

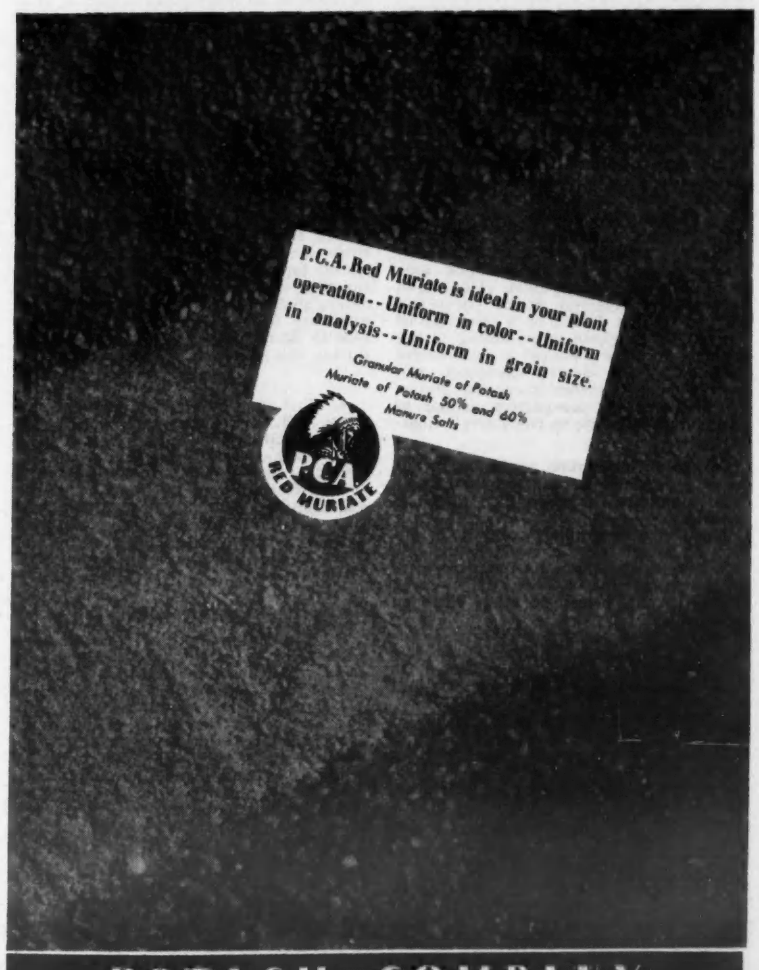
Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

Nat. Fert. Ass'n., June 9-11, White Sulph. Sprs.

★ Domestic MADE IN U.S.A.
THE BARRETT COMPANY
40 RECTOR ST., NEW YORK
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH
62/63% K_2O, ALSO 50% K_2O
MANURE SALTS
Approximately 30% K_2O
UNITED STATES POTASH COMPANY
INCORPORATED
30 Rockefeller Plaza
New York, N. Y.


P.C.A. Red Muriate is ideal in your plant operation -- Uniform in color -- Uniform in analysis -- Uniform in grain size.
Granular Muriate of Potash
Muriate of Potash 50% and 60%
Manure Salts
PCA
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE
50 BROADWAY NEW YORK CITY

Nitrogen Fertilizer Marketing Regulated Under Antitrust Law

—*Continued from page 5*

and/or requirements imposed by the decree or judgment served as aforesaid are not substantially identical with those imposed herein or that the producer-agency method of sale restrained thereby is not substantially similar in legal effect to said defendant's producer-agency method of sale, as of the date of such service, said defendant shall apply to the court within twenty days after receipt of a certified copy of said judgment or decree for determination of that question, and, in such event, the operative date of subparagraph (2) above shall not be accelerated until the court shall have determined that such restraints and requirements are substantially identical with those imposed herein and that the prohibited producer-agency method of sale is substantially similar in legal effect to that then operated by said defendant.

The Attorney-General of the United States or the Assistant Attorney-General in charge of the antitrust division may at any time prior to the operative date of subparagraph (2) above postpone such operative date by filing with the court a written statement to the effect that the continuation of abnormal economic conditions in the nitrogen industry and the continued use by any other producer or supplier of nitrate of soda of an agency method of distributing nitrate of soda makes it advisable that the operative date of said subparagraph (2) be postponed and any of said defendants may at any time prior to the operative date of subparagraph (2) above file with the Attorney-General of the United States or the Assistant Attorney-General in charge of the antitrust division a statement requesting such postponement.

V

A. The defendant, the Barrett Company and its successors, subsidiaries, officers and employees, or any of them, be and they hereby are enjoined and restrained from:—

Ammonium Sulphate

1. Entering into any contract or arrangement for the sale of ammonium sulphate, through the Barrett Company as agent, whereby the producer thereof is required to sell its ammonium sulphate through the Barrett Company or any one of the defendant companies referred to in paragraph III (A) of this decree as its exclusive agent.

2. Selling ammonium sulphate in any fertilizer year, as agent or reseller, for consumption in the United States, its territories and possessions, in any amount in excess of 35 percent of the total production of ammonium sulphate in the United States, its territories and possessions plus imports of ammonium sulphate thereinto minus exports therefrom during said fertilizer year.

3. Agreeing, combining, or conspiring with any producer of ammonium sulphate, nitrate of soda, synthetic ammonia solutions, or cal-nitro (other than corporations referred to in paragraph III (A) of this decree or a producer of ammonium sulphate when acting in the capacity of (1) a principal or prospective principal of the Barrett Company with respect to ammonium sulphate, and/or (ii) a vendor or prospective vendor of ammonium sulphate to the Barrett Company):—

(a) To fix, determine, maintain, or adhere to prices to be charged in the sale of ammonium sulphate by them to others;

(b) To fix, determine, maintain, or adhere to prices to be charged in the sale of ammonium sulphate by them to others in terms of the relationship of such prices to the prices of other nitrogen products;

(c) To fix, determine, maintain, or adhere to prices to be charged in the sale of ammonium sulphate by them to others in terms of unit nitrogen or unit ammonia prices;

(d) To prevent or restrain shipment or sale to, into, or from the United States and its territories and possessions of ammonium sulphate, except in connection with the prosecution of any legal proceedings against importation or exportation for violation of the law of the United States.

4. Purchasing ammonium sulphate from any producer thereof under a contract or arrangement designed and intended by the Barrett Company not for the bona fide purpose of sale or resale but solely to keep ammonium sulphate off the market.

5. Reducing the price of ammonium sulphate sold on behalf of any producer-principal not in response to market conditions or to meet competition but in order to discourage the production of ammonium sulphate by such producer.

6. Discriminating in price in the sale of ammonium sulphate to bona fide cooperatives by refusing to give them quantity or seasonal discounts given to other fertilizer manufacturers on the basis of the amount of ammonium sulphate bought and delivered under similar terms and conditions.

Operative Date Set

B. The operative date of subparagraph 2 shall be July 1, 1945, but said operative date shall be subject to postponement as hereinafter provided.

The Attorney-General of the United States or the Assistant Attorney-General in charge of the antitrust division may at any time prior to said operative date postpone the same by filing with the court a written statement to the effect that the continuation of abnormal conditions in the nitrogen industry makes it advisable that said operative date be postponed.

C. For the purpose of this decree, the following terms shall be defined as hereinafter stated:—

1. "Fertilizer year" shall mean the period from July 1, in any year to and including June 30 of the following year.

2. "Total United States production of ammonium sulphate" during any fertilizer year shall mean such production for the calendar year ending within said fertilizer year as determined on the basis of (a) reports or records of the United States Bureau of Mines with respect to by-product ammonium sulphate production, and (b) estimates by the Barrett Company of synthetic ammonium sulphate production, and reported to the Attorney-General. In the event that the Attorney-General disputes production figures thus reported, or import or export figures reported under paragraphs V C (3) or V C (4) he may apply to the court by supplemental proceeding hereunder for an ascertainment of the true production of any such producer, or the true imports or exports as defined in paragraphs V C (3) and V C (4), and any determination by the court thereupon shall be binding upon said defendant. The Barrett Company and the Attorney-General may apply to the court from time to time for any modification of the source of the figures to be used in determining percentages under this paragraph V of this decree.

3. "Imports of ammonium sulphate" during any fertilizer year shall mean total imports of ammonium sulphate into the United States, its territories, and possessions for the calendar year ending within said fertilizer year, and reported to the Attorney-General.

4. "Exports of ammonium sulphate" during any fertilizer year shall mean total exports of ammonium sulphate from the United States, its territories and possessions for the calendar year ending within said fertilizer year, and reported to the Attorney-General.

D. In the event that, following the operative date of paragraph V A (2) hereof, the Barrett Company in any fertilizer year sells as agent and/or purchases for resale more than the quantity specified in said paragraph V A (2) said excess shall be deducted from the amount available to the Barrett Company for sale as agent and/or purchase for resale during the following fertilizer year.

VI

A. E. I. duPont de Nemours & Company, Inc., its successors, subsidiaries, officers, and employees and each of them are hereinafter in this paragraph referred to as "DuPont." Allied Chemical & Dye Corporation, the Solvay Process Company, and the Barrett Company, and their successors, subsidiaries, officers and employees and each of them are hereinafter in this paragraph referred to as "Allied."

Anhydrous Ammonia

B. DuPont and Allied be and they hereby are enjoined and restrained (except within each constituent group of corporations and persons above referred to) from agreeing, combining or conspiring each with the other or with any other producer of synthetic ammonia solutions, anhydrous ammonia, uramon, nitrate of soda, or ammonium sulphate:—

1. To fix, determine, maintain, or adhere to prices to be charged in the sale of synthetic ammonia solutions, uramon, or anhydrous ammonia by them to others;

2. To fix, determine, maintain, or adhere to prices to be charged in the sale of synthetic ammonia solution, uramon, or anhydrous ammonia by them to others in terms of the relationship of such prices to the prices of nitrate of soda or ammonium sulphate;

3. To fix, determine, maintain or adhere to prices to be charged in the sale of synthetic ammonia solutions, uramon, or anhydrous ammonia by them to others in terms of unit nitrogen or unit ammonia prices;

4. To fix, determine, maintain, or adhere to terms or conditions for the sale of synthetic ammonia solutions, uramon or anhydrous ammonia by them to others or the freight allowances in such sale or freight differentials as between different purchasers in such sale;

5. To prevent or restrain shipment or sale to, into or from the United States and its territories and possessions of synthetic ammonia solutions, uramon, or anhydrous ammonia except in connection with the prosecution of any legal proceedings against importation or exportation for violation of the law of the United States;

C. DuPont and Allied be and they hereby are enjoined and restrained (except within each constituent group of corporations and persons referred to in paragraph VI (A) from agreeing, combining, or conspiring each with the other:

1. To discourage producers of synthetic ammonia solutions from increasing their capacity to produce such solutions by fixing, determining, maintaining, or adhering to prices to be paid by either of them to other producers of synthetic ammonia solutions in the purchase thereof, or the prices to be charged by them to others under exclusive sales agency agreements with other producers of synthetic ammonia solutions.

2. To sell anhydrous ammonia at a lower price to particular purchasers than is offered by the seller to other purchasers on similar conditions, upon the agreement of the particular purchaser to refrain from manufacturing anhydrous ammonia.

Proper Enforcement

D. DuPont and Allied be and they hereby are enjoined and restrained (except within each constituent group of corporations and persons referred to in paragraph VI (A)) from refusing, when selling synthetic ammonia solutions by any method or on any basis to any purchaser located in the continental United States, to permit said purchaser to elect to purchase said synthetic ammonia solutions f.o.b. cars point of production in carload lots at the seller's price, terms, and conditions f.o.b. cars point of production.

VII

For the purpose of securing compliance with this decree, and for no other purpose, duly authorized representatives of the Department of Justice shall, on written request of the Attorney-General or an Assistant Attorney-General and on reasonable notice to the defendants made to the principal office of the defendants, be permitted, subject to any legally recognized privilege, (1) access, during the office hours of the defendants, to all books, ledgers, accounts, correspondence, memoranda and other records and documents in the possession or under the control of the defendants, relating to any matters contained in this decree, (2) subject to the reasonable convenience of the defendants and without restraint or interference from them, to interview officers or employees of the defendants, who may have counsel present, regarding any such matters, and (3) the defendants, on such request, shall submit such reports in respect of any such matters as may from time to time be reasonably necessary for the proper enforcement of this decree; provided, however, that information obtained by the means permitted in this paragraph shall not be divulged by any representative of the Department of Justice to any person other than a duly authorized representative of the Department of Justice except in the course of legal proceedings for the purpose of securing compliance with this decree in which the United States is a party or as otherwise required by law.

VIII

Jurisdiction of this cause is retained for the purpose of enabling any of the parties to this decree to apply to the court at any time for such further orders and directions as may be necessary or appropriate for the construction or carrying out of this decree, for the modification or termination of any of the provisions thereof notwithstanding the administrative procedures set up in this decree, for the enforcement of compliance therewith and for the punishment of violations thereof.

IX

Nothing in this decree shall be construed to restrict or prohibit in any way any action taken by any defendant, its successors, subsidiaries, officers, or employees in good faith and within the fair intendment of the letter of the attorney-general of the United States to the general counsel of the Office of Production Management, dated April 29, 1941 (a copy of which is attached hereto as exhibit "A"), or with any amendment or amplification thereof by the Attorney-General, or in accordance with any arrangement of similar character between the Attorney-General and any national defense agency in effect at the time, provided such letter or arrangement has not at the time of such action been withdrawn or cancelled with respect thereto. [This letter (see below) was complementary to that to Leon Henderson, OPACS administrator, referred to in the article, "Price Probe Procedure Outlined by Jackson," in OPD for May 26, 1941.]

X

This decree shall have no effect with respect to operations or activities outside the United States, its territories and the District of Columbia not violative of the antitrust laws or to operations and activities within the United States, its territories, and the District of Columbia relating exclusively to acts and operations outside the United States, its territories and the District of Columbia not violative of the anti-trust laws, or to operations and activities, wherever performed, authorized or permitted by the act of Congress of April 10, 1918, commonly called the Webb-Pomerene act, or by acts amendatory thereto.

Dated, May 29, 1941.

Approved, Henry W. Goddard, United States District Judge.

Exhibit "A"

The marshaling of the nation's industrial assets for a maximum productive effort in the national defense will doubtless require the allocation of orders, the curtailment of some kinds of production so as to increase production in defense fields, and the establishment of priorities and price ceilings. Furthermore, many of these steps must necessarily affect the production of goods used to satisfy our normal needs, as well as the production of materials and implements used directly in our defense effort.

Some of these acts if accomplished by private contract or arrangement within an industry and carried on for private advantage would probably constitute violations of the antitrust laws. On the other hand, it is obvious that in the present emergency acts performed by industry under the direction of public authority, and designed to promote public interest and not to achieve private ends, do not constitute violations of the antitrust laws. In these circumstances, the Department of Justice recognizes that business interests which are asked to comply with public plans for increasing production and preventing inflation are entitled to the cooperation of agencies of the government in eliminating any uncertainties which may exist as to the application of the antitrust laws to their activities.

Antitrust Division Policy

Accordingly, this department has formulated a policy which it proposes to follow in its relations with the Office of Production Management and the Office of Price Administration and Civilian Supply and with all industries or contractors acting in compliance with the orders or requests of either of these organizations. The important points of this policy are:—

Meetings of the industry with the Office of Production Management and the Office of Price Administration and Civilian Supply or their representatives are not illegal. Industrial committees may be formed at the request of the Office of Production Management or the Office of Price Administration and Civilian Supply, to work with representatives of such offices on problems involving defense. There will be nothing unlawful in the industry cooperating in the selection of its representatives or in selecting members for committees, or in the activities of such committees provided they are kept within the scope of this letter.

Questions as to whether there is need for such a committee, and if so, how it shall be chosen, and by whom constituted, shall be the sole responsibility of the Office of Production Management or the Office of Price Administration and Civilian Supply. This department will not participate in these decisions beyond the suggestion now made that any such committee should be generally representative of the entire industry and satisfactory to the Office of Production Management or the Office of Price Administration and Civilian Supply.

Each industry committee shall confine itself to collecting and analyzing information and making recommendations to the Office of Production Management or the Office of Price Administration and Civilian Supply, and shall not undertake to determine policies for the industry, nor shall it attempt to compel or to coerce any one to comply with any request or order made by a public authority.

All requests for action on the part of any unit of an industry shall be made to such unit by the Office of Production Management or the Office of Price Administration and Civilian Supply and not by the industry committee. That is to say, the function of determining what steps should be taken in the public interest should in each case be exercised by the public authority which may seek the individual or collective advice of the industry. But the determination shall not be made by the industry itself or by its representatives.

Requests for action within a given field, such as the field of allocation of orders, shall be made only after the general character of the action has been cleared with the Department of Justice.

—*Continued on page 62*

Industrial Uses of Chemicals and Related Materials

Producer's Guide to New Markets *Formerly Styled "Where You Can Sell"* **Technical Information for Processors**

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Seven-hundred-fifty-second Recapitulative Instalment

Aluminum-Silicon Alloy Pigment

(Sigal Pigment)

(A product developed in Germany, consisting essentially of the eutectic alloy (87 percent aluminum and 13 percent silicon) with the addition of elemental silicon)

Paint, Varnish, and Lacquer

Imparter to paint films of—
- Elasticity and breaking strength claimed to be markedly superior to those of paints containing red lead or white lead, the optimum values also claimed to be maintained for longer periods in use (Schopper testing machine)
- Great covering power coupled with great tenacity, good elasticity, and high tensile strength
- Improved elasticity of films with increasing substitution of resinous material for linseed oil
- Rust-inhibiting properties of outstanding excellence

Pigment claimed to have the following properties—
- Ability to form priming coats without requiring the addition of any oil and finishing coats containing up to 5.8 percent of linseed oil only
- Covering power of outstanding excellence
- Durability of outstanding excellence

Nonpoisonous

Properties based on the well-known corrosion-resistant properties of aluminum-silicon alloys combined with the equally well-demonstrated leafing properties of finely divided aluminum powder

Property of forming with synthetic resin mediums a paint film possessing high elasticity and ageing characteristics (claimed to be superior to those possessed by the red lead-white lead-linseed oil films)

Rust-inhibiting properties of outstanding excellence

State of division so fine that it leaves no residue on a sieve of 16,000 mesh (cm²:approx. 300 B.S.)

Pigment claimed to produce great economies

Pigment in—
- Bridge paints
- Paints claimed to be valuable for protecting iron and steel structures in—
  - Alkali works
  - Chemical plants
  - Coke-oven installations
  - Electric power stations
  - Lubricant factories
  - Metallurgical works
  - Mining undertakings
  - Petroleum refineries
  - Smelting works
  - Sugar refineries
- Paints for—
  - Electrostatic dust-precipitator chambers (in coal briqueting) (said to withstand impinging flame temperatures in coaldust explosions)
  - Finishing and brightening coats on tops of underwater bituminous paints (claimed completely to overcome the well-known objection of discoloration by the underlying bitumen)
  - Heat-resisting and (claimed to be capable under certain conditions of withstanding temperatures up to 550°C.)
  - Iron and steel structures
  - Resistance to chemical attack
  - Resistance to moisture attack
  - Sheet metal containers which are filled with hot products at 80°C. and in addition must withstand a great deal of rough handling in packing and transport

Beta′-diethylaminoethyl-alphaphenyl Normal Butyrate

Pharmaceutical

Claimed (Brit. 483704) as—
- Medicinal agent having marked spasmolytic properties and only very slight toxic action

4-Chlor-6′-methoxy-3-ethyl-7:8-benzoquinolin

Pharmaceutical

Claimed (Brit. 481874) as—
- Colorless product useful in destroying blood parasites (malaria), amebae, and worm infections

Cobalt Pectinate

Disinfectant

Claimed (Brit. 502403) to be—
- More dispersible in water than pectin itself
- Toxic to bacteria but harmless to the human body

4′:4″-Dihydroxy-3″-carboxy-3:3′-dimethoxy-fuchsone

Dye

Intermediate (Brit. 485228, 485266, and 502216) in making—
- Synthetic dyestuffs

Pharmaceutical

Claimed (Brit. 485228, 485266, and 502216) to have—
- Medicinal properties

Ethylphenylmethyl Glycidate

Beverage

Strawberry base in—
- Flavoring agents used for soft drinks, syrups, and the like

Food

Strawberry base in—
- Flavoring agents for jams, jellies, fillings, puddings, ice cream, candy, cakes, and the like

Hydrated Lime

(Calcii Hydras, Calcis Hydras, Calcium Hydrate, Calcium Hydroxide, Calciumhydrat, Calciumhydroxyd, Calciumoxyhydrat, Chaux Eteinte, Chaux Hydratee, Cream of Lime, Creme de Chaux, Geloeschter Kalk, Geloschter Kalk, Hidrato Calcico, Hidrato de Calcio, Hydrate of Lime, Idrato di Calcio, Kalkanstrich, Kalkbrei, Kalkbruhe, Kalkhydrat, Kalkmilch, Kalziumhydrat, Kalziumhydroxyd, Kalziumoxyhydrat, Lime Cream, Lime Hydrate, Lime White, Milk of Lime, Slacked Lime, Slaked Lime, White-Wash)

(Uses for or in analysis, chemical processes, and pharmaceutical operations will be treated in a subsequent article, to be published shortly, under the designation of Calcium Hydroxide)

Adhesives

Ingredient of—
- Casein glues

Reagent in making—
- Siccatives with naphthenates

Agricultural

Buildings

Coating agent for—
- Buildings, sheds, stands, and the like

Disinfectant for—
- Barns
- Cesspools
- Chicken houses
- Cowsheds
- Creameries
- Dairies
- Drains
- Outhouses
- Pig stys
- Stables

Soils and Crops

Carrier for—
- Plantfoods

Detoxicating agent for—
- Field, truck, and orchard soils (by precipitation of aluminum and iron salts)

Disease regulant for—
- Growing crops

Granulating agent in the flocculation of—
- Humus
- Soils

Neutralizing agent for acidity of—
- Fertilizers
- Soils

Physiological regulating agent for plants (through its effect on cell rigidity, food transfer, protoplasm activity)

Plantfood for—
- Field, truck, and orchard crops

Animal Husbandry

As an animal and poultry medicine for—
- Conditioning
- Increasing resistance to abortion and tuberculosis
- Neutralizing acidity

Bone-building agent in—
- Animal and poultry feeds

Disinfectant in various applications

Metabolizing agent in—
- Animal and poultry feeds

Shell-forming agent in—
- Poultry feeds

Tooth-building agent in—
- Animal feeds

Building Construction

Ingredient of—
- Asphaltic concrete (cooling, hardening, and filling agent)
- Cement concrete (plasticizing, stabilizing, strengthening, water-tightening, and whitening agent)
- Magnesia insulating coatings
- Mortars for brick, stone, and tile (bonding, plasticizing, and toughening agent)
- Sand-lime brick (bonding, neutralizing, strengthening, and whitening agent)
- Sorel cement (bonding, chemical, plasticizing, toughening, and water-tightening agent)
- Wall plasters (bonding, plasticizing, sound-deadening, and whitening agent)

Ceramic

As a flux

Ingredient of—
- Glazes

Dye

Neutralizing agent for—
- Excess of inorganic acids in making—
  - Sulphonated naphthalene intermediates

Reagent for—
- Purification of intermediates
- Saponifying organic salts in the synthesis of dyes

Electrical

Coating agent for—
- Electric arc-welding electrodes

Explosives

Neutralizing agent for—
- Excess acid in making—
  - Nitroglycerin
  - Smokeless powders

Fertilizer

Ingredient of—
- Fertilizers

Reagent in making—
- Fertilizer compositions from—
  - Molasses
  - Quarry wastes
  - Tannery wastes

Food

Fat-conserving agent for—
- Butter

Neutralizing agent and corrective in—
- Butter
- Milk

Preservative for—
- Butter
- Eggs

Reagent in—
- Grain classifications

Fuel

Component of—
- Briquets with coal, peat, tar, and waste products

Fat-splitting agent in—
- Candle making

Gas

Absorbent in—
- Purification of illuminating gas

Agent in—
- Water-gas enrichment (admixed with coal)

Neutralizing agent for—
- Ammonium sulphate in ammonia recovery in gas manufacture

Glass

Raw material in making—
- Bottle glass
- Lime glass
- Lime-flint glass
- Window glass

(To be continued)

Isobutylundecyleneamide

Insecticide

Toxic agent in—
- Oil sprays for eliminating insects from the interior of warehouses and stored packing cases
- Sprays for combatting various insects

Toxic agent said to be—
- Stable to oxidation and sunlight
- Storable for a considerable time without loss of toxicity

Magnesium Oxide, Active

(A form of magnesium oxide prepared from seawater; it is also available in the form of selectively calcined dolomite. X-ray analysis indicates that selectively calcined dolomite is a mixture of calcite and magnesium oxide, but attempts to separate the components of the mixtures by physical means have not been successful. The magnesium oxide in this material is also reactive as shown by the development of heat and the disappearance of the water phase when a suitable quantity is added to a slurry of monoammonium phosphate)

Fertilizer

Basic material for—
- Physiological neutralization of mixed fertilizers that are not too acid

Conditioning agent (suggested) for—
- Mixed fertilizers
- Superphosphate

Drying agent for—
- Mixed fertilizers (functions by reacting with the components to form hydrated compounds)

Magnesium source for—
- Mixed fertilizers (recommended for use only up to certain limiting percentage)

Starting point in forming—
- Water-insoluble nitrogen compounds, such as magnesium-ammonium phosphate, in mixed fertilizers

Propyl-Mercury Nitrate

Rubber

Preservative (Brit. 499578) for—
- Latex

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ALOE—184 cs, W R Grace & Co, Curacao
300 cs, W R Grace & Co, Curacao

ANTIMONY ORE—370 bgs, Vera Cruz
350 bgs, Vera Cruz
715 bgs, Chase National Bank, Tampico
320 bgs, Tampico

ARSENIC—62 bbls, American Smelting & Refg Co, Tampico
175 bbls, Royal Bank of Canada, Tampico

BABASSU KERNELS—200 tons, General Food Corp, Brazil
5,000 bgs, General Food Corp, Sao Luiz

BALSAM—8 bbls, Dodge & Olcott Co, Puerto Barrios

BARBASCO ROOT—500 bls, Wessel, Duval & Co, Bahia

BARK, MED—76 bls, Wessel, Duval & Co. Bahia

BEEF EXTRACT—327 cs, Armour & Co, Montevideo

LIVER EXTRACT—22 kgs, Lederle Lab, Havana
103 cs, Armour & Co, Santos

BERYLLUM ORE—1,060 bgs, Buenos Aires

BONE GRIST—1,334 bgs, Philadelphia National Bank, Buenos Aires

BONES—463 bgs, American Agricultural & Chem Co, Barranquilla

BRISTLES—10 cs, H Rosenhirsch Co, Bombay
21 cs, M Broverman & Son, Bombay
7 cs, F H Cone & Co, Bombay
40 cs, Chesnut, Cooper & Co, Bombay
14 cs, S Hirshenhorn & Son, Bombay
47 cs, H Rosenhirsh Co, Bombay
20 cs, Delbanco Meyer & Co, Bombay
8 cs, Ainstein Import Corp, Buenos Aires

CALCIUM SILICIDE—304 dms, French Line, Fort France

CANARY SEED—394 bgs, H S Cramer & Co, Buenos Aires
551 bgs, National City Bank, Buenos Aires
425 bgs, H S Cramer & Co, Buenos Aires

CARAWAY SEED—6 bgs, I A Levy, Fort France

CARDAMOM—5 dms, P H Petry & Co, Puerto Barrios
23 cs, P H Petry & Co, Puerto Barrios
67 tins, P H Petry & Co, Puerto Barrios

CAROB BEANS—500 bgs, S B Penick & Co, Lisbon

CASEIN—1,251 bgs, H S Cramer & Co, Buenos Aires
303 bgs, Transatlantic Animal By Product Co, Buenos Aires
417 bgs, H S Cramer & Co, Buenos Aires
1,600 bgs, Eugene Lang, Buenos Aires
793 bgs, Casein Co of America, Buenos Aires
1,001 bgs, A Hurst & Co, Buenos Aires
84 bgs, W M Allison & Co, Buenos Aires
16 bgs, Buenos Aires
1,700 bgs, Casein Co of America, Buenos Aires
334 bgs, H S Cramer & Co, Buenos Aires
417 bgs, A Hurst & Co, Buenos Aires
834 bgs, Kurt Fleischner, Buenos Aires
834 bgs, American Cyanamid & Chem Co, Buenos Aires
425 bgs, Chase National Bank, Buenos Aires
1,020 bgs, Casein Co of America, Buenos Aires

CASTOR BEANS—1,696 bgs, Santos
8,921 bgs, Baker Castor Oil Co, Santos
5,930 bgs, Santos
6,787 bgs, Baker Castor Oil Co, Santos
6,304 bgs, Baker Castor Oil Co, Santos
3,400 bgs, Guaranty Trust Co, Bahia
3,400 bgs, Blue Point Oil Corp, Bahia
1,694 bgs, Spencer Kellogg & Sons, Bahia
2,700 bgs, Baker Castor Oil Co, Bahia
2,500 bgs, Spencer Kellogg & Sons, Bahia
2,400 bgs, Baker Castor Oil Co, Bahia
1,634 bgs, Chase National Bank, Natal
854 bgs, Baker Castor Oil Co, Natal
1,580 bgs, Baker Castor Oil Co, Bahia
1,606 bgs, Bunge North American Grain Co, Bahia
1,576 bgs, Baker Castor Oil Co, Bahia
4,801 bgs, Bahia

CELERY SEED—53 bgs, Kachurin Drug Co, Bombay
64 bgs, Corn Exchange Bank, Bombay
9 bgs, I Harrison & Whitney, Bombay
161 bgs, Kachurin Drug Co, Fort France

CHEMICALS—2 dms, 4 cans, 2 bbls, J E Bernard & Co, Lisbon
19 cs, Rohner, Gehrig & Co, Lisbon
4 cs, Ciba Pharm Prod, Inc, Lisbon
94 cs, Ciba Co, Lisbon
99 cs, New York & Cuba Mail S S Co, Lisbon
2 cs, Rohner, Gehrig & Co, Lisbon
7 cs, New York & Cuba Mail S S Co, Lisbon

SYNTH—66 cs, Firmenich Co, Lisbon
8 cs, Bank of Manhattan, Lisbon

CINCHONA BARK—60 bgs, R D Heins, Puerto Barrios

CINNAMON—350 bls, Catz American Co, Colombo
30 bls, Volkart Bros, Colombo
65 bls, Catz American Co, Colombo

QUILLS—125 bls, Holland American Trading Co, Colombo
170 bls, C M Van Sillevoldt, Colombo
80 bls, Colombo
150 bls, C T Wilson & Co, Colombo
100 bls, C M Van Sillevoldt, Colombo
150 bls, E S Klinko, Colombo
100 bls, I Harrison & Whitney, Colombo
150 bls, E S Klinko, Colombo
150 bls, C T Wilson & Co, Colombo

COBALT, CRUDE—60 dms, African Metal Co, Africa

COCOA BEANS—1,149 bgs, Chase National Bank, Lisbon
375 bgs, Chase National Bank, Lisbos
117 bgs, Guaranty Trust Co, Bahia
264 bgs, Lloyd Braz Line, Bahia
116 bgs, Lloyd Braz Line, Bahia
250 bgs, Farr & Co, Port Spain
120 bgs, Daarnhonwer & Co, La Guaira
500 bgs, Machado & Co, La Guaira
134 bgs, W R Grace & Co, Puerto Cabello
600 bgs, General Cocoa Co, Puerto Cabello
36 bgs, W R Grace & Co, Puerto Cabello
520 bgs, Wessel, Kulenkampf & Co, Cristobal
250 bgs, Wessel, Kulenkampf & Co, Cristobal

COCOA BEANS—50 bgs, Wessel, Duval & Co, Cristobal
90 bgs, Schutte & Focke, Port au Prince
500 bgs, Geck Trading Corp, Ciudad Trujillo
1,424 bgs, Curacao Trading Co, Ciudad Trujillo
7,949 bgs, Irving Trust Co, Ciudad Trujillo
266 bgs, Gillespie & Co, Ciudad Trujillo
51 bgs, Machado & Co, Sanchez
400 bgs, Curacao Trading Co, Sanchez
5,500 bgs, Machado & Co, Sanchez
734 bgs, Gillespie & Co, Sanchez
76 bgs, Curacao Trading Co, Sanchez
1,500 bgs, Wessel, Kulenkampf & Co, Sanchez
250 bgs, Wessel, Kulenkampf & Co, Puerto Plata
1,000 bgs, Machado & Co, Puerto Plata
250 bgs, Porcella Vicini & Co, Puerto Plata
250 bgs, Carr Bros, Puerto Plata
2,500 bgs, Machado & Co, Puerto Plata
650 bgs, Machado & Co, Puerto Plata

COCONUTS—1,000 bgs, I L Toledano Corp, Cristobal

COPAIBA BALSAM—60 cs, Lloyd Braz Line, Bahia

CORIANDER SEED—325 bgs, A G Dunn, Fort France

CORK—10 bls, Albert Robinson & Co, Lisbon
66 bgs, Mundet Cork Corp, Lisbon
29 pkgs, Fred Henjes, Jr, Lisbon
61 bls, Ontario Cork Co, Lisbon
20 bls, Cork Product Co, Lisbon
15 bls, Penson & Co, Lisbon
7 pkgs, Moller & Rothe, Lisbon

FLOATS—195 bgs, C J Henry, Lisbon

VIRGIN—861 bls, National City Bank, Lisbon
233 bls, Mundet Cork Corp, Lisbon
729 bls, National City Bank, Lisbon
410 bls, National City Bank, Lisbon
647 bls, Mundet Cork Corp, Lisbon
500 bls, Mundet Cork Corp, Lisbon

WASTE—1,206 bls, Mundet Cork Corp, Lisbon
694 bls, Mundet Cork Corp, Lisbon
600 bls, Mundet Cork Corp, Lisbon
920 bls, Mundet Cork Corp, Lisbon
1,457 bls, Mundet Cork Corp, Lisbon
2,050 bls, Mundet Cork Corp, Lisbon

WOOD—148 bls, Mundet Cork Corp, Lisbon
37 bls, Cork Product Co, Lisbon
20 bls, Penson & Co, Lisbon
100 bls, Mundet Cork Corp, Lisbon
100 bls, H E Botzow & Co, Lisbon
242 bls, Atlantic Pacific Mfg Co, Lisbon
1,020 bls, Mundet Cork Corp, Lisbon

COTTON LINTERS—418 bls, Santos
699 bls, Kauders, Struber & Co, Santos
38 bls, Williamson Product, Bahia

COTTONSEED AND CASTOR MEAL—6,720 bgs, W R Grace & Co, Santos
6,720 bgs, W R Grace & Co, Santos
3,261 bgs, Chase National Bank, Buenos Aires

CUMIN SEED—200 bgs, Knickerbocker Mills Co, Karachi
170 bgs, Otto Gerdau Co, Karachi
172 bgs, A G Dunn, Bombay
100 bgs, Anglo American & Colonial Co, Bombay
200 bgs, I Harrison & Whitney, Bombay
177 bgs, A G Dunn, Bombay
80 bgs, O Gerdau Co, Bombay
177 bgs, Knickerbocker Mills Co, Bombay
177 bgs, A G Dunn, Bombay
100 bgs, O Gerdau Co, Bombay

DILLSEED—88 bgs, I Harrison & Whitney, Bombay
160 bgs, A G Dunn, Bombay
212 bgs, Bombay
551 bgs, Kachurin Drug Co, Bombay
80 bgs, T M Duche & Sons, Bombay
156 bgs, Dodge & Olcott Co, Bombay
345 bgs, Kachurin Drug Co, Bombay
160 bgs, Dodge & Olcott Co, Bombay
315 bgs, Kachurin Drug Co, Bombay
88 bgs, I Harrison & Whitney, Bombay

DYES, ANILIN—710 dms, Goudrand Shipping Co, Lisbon
13 bbls, J E Bernard & Co, Lisbon
30 dms, Ciba Co, Lisbon
788 dms, Goudrand Shipping Co, Lisbon
15 dms, 1 ck, J E Bernard & Co, Lisbon
54 bbls, 13 cs, Ciba Co, Lisbon
92 dms, Sandoz Chem Works, Lisbon
1 bbl, A E Nydegger & Co, Lisbon
66 dms, New York & Cuba Mail S S Co, Lisbon
204 dms, J E Bernard & Co, Lisbon

ERGOT—76 cs, S B Penick & Co, Lisbon

FENNEL SEED—150 bgs, Max Kernreich, Buenos Aires

FISH MEAL—256 bgs, Iceland

SOUNDS—50 bls, Fulton Freight & Forwarding Co, Maracaibo

FLAXSEED—1,000 tons, 40,000 bus, Buenos Aires
1,687 bgs, 3,711 bus, Bunge North American Grain Co, Buenos Aires
5,431 tons, 217,240 bus, Bunge North American Co, St Thomas
4,993 bgs, 10,984 bus, Bunge North American Co, St Thomas
2,372 tons, 54,880 bus, Leval & Co, Buenos Aires
923 bgs, 2,030 bus, Leval & Co, Buenos Aires

FLEASEED—407 bgs, Corn Exchange Bank, Bombay

FLUORSPAR—864 bgs, Carr Bros, Inc, Vera Cruz

GALLS, CONC—21 tcs, Public National Bank, Buenos Aires

GAMBIER—310 bgs, E E Androvette, Strait Settlements

GINGER ROOT—400 bgs, Volkart Bros, Alleppey
255 bgs, I Harrison & Whitney, Bombay
900 bgs, A G Dunn, Alleppey
300 bgs, A G Dunn, Alleppey
200 bgs, Volkart Bros, Alleppey
900 bgs, Volkart Bros, Alleppey
650 bgs, Volkart Bros, Alleppey

GLANDS—70 cs, Wilson & Co, Buenos Aires

GLASS, WINDOW—1,124 cs, Tampico

GLUE—300 bgs, Irving Trust Co, Santos
100 bgs, Prague Credit Bank, Buenos Aires

GLUESTOCK—131 bgs, H Remis, Havana
92 bgs, Havana
89 bgs, E Vadilli, Havana
287 bls, M Remis, Vera Cruz
83 bls, M Weinfeld & Kohn, Havana
67 bls, Nicholsen & Co, Montevideo

GRAPHITE—572 bgs, J F Starkey & Co, Colombo
250 bgs, C E Pettinos, Colombo
200 bgs, Joseph Dixon Crucible Co, Colombo
572 bgs, Asbury Graphite Mills, Colombo
250 bgs, C E Pettinos, Colombo
572 bgs, Joseph Dixon Crucible Co, Colombo
286 bgs, J F Starkey & Co, Colombo
250 bgs, Asbury Graphite Mills, Colombo

GUM CHICLE—1,263 bls, Mexican Exploitation Corp, Vera Cruz

COPAL—280 bgs, Banque Belge pour l'Etranger, Matadi
700 bgs, P S Buschaert, Matadi
300 bgs, O G Innis Corp, Matadi
190 bgs, S Winterbourne & Co, Matadi

KARAYA—68 bgs, Bombay
83 bgs, Bombay
467 bgs, Frank Vliet Co, Bombay

NIGER—200 bgs, Chicle Development Co, Lagos

SANDARAC—46 bbls, R H Elmaleh Corp, Fort France

HENNA LEAVES—199 bgs, Freedman & Slater, Bombay

POWDER—140 bgs, S H Penick & Co, Bombay

HERBS—52 crates, R H Elmaleh Corp, Fort France
87 bls, R H Elmaleh Corp, Fort France

HOREHOUND—34 bls, I A Levy, Fort France
50 bls, J S Toby, Fort France

ILMENITE SAND—1,000 tons, C Tennant Sons & Co, Koilthottam

IPECAC ROOT—41 bgs, Continental Express Co, Cristobal

IRON ORE & MANGANESE—5 pkgs, Tippenhauer Trading Co, Port Prince

KOLA NUTS—44 bgs, Gillespie & Co, Lagos

LAUREL LEAVES—259 bls, Public National Bank, Lisbon

LIVERMEAL—1,433 bgs, Swift & Co, Buenos Aires

MANGANESE BIOXIDE ORE—421 bgs, Bowring & Co, Fort France

MANIOC FLOUR—808 bgs, Bank of Manhattan, Bahia

MARJORAM LEAVES—90 bls, W E Martin, Fort France

MEDICINAL PREPS—3 cs, E Fougera & Co, Vera Cruz
1 cs, Delta Pharm Co, Buenos Aires
9 cs, American Express Co, Buenos Aires
9 cs, D C Andrews & Co, Buenos Aires
49 cs, D C Andrews & Co, Santos
36 cs, E Fougera & Co, Rio Janeiro
15 cs, Amfro Drug Co, Rio Janeiro
3 cs, D C Andrews & Co, Rio Janeiro
3 cs, Goudrand Shipping Co, Lisbon
22 cs, Wedemann & Godknecht, Lisbon
6 cs, D C Andrews & Co, Buenos Aires

MICA—67 cs, F D Pitts Co, Rio Janeiro
160 cs, Eugene Munsell & Co, Rio Janeiro
16 cs, Ford Radio & Mica Corp, Rio Janeiro

BLOCK—407 cs, Chase National Bank, Calcutta

SPLITTINGS—3,789 cs, Chase National Bank, Calcutta

MINERAL—417 bgs, Bahia
36 cs, Watson Geach Co, Barranquilla

MURU MURU KERNELS—100 tons, General Food Corp, Brazil

MUSTARD SEED—170 bgs, W R Grace & Co, Coquimbo

OIL, CASHEW—1 cs, Strauss & Reis, Bombay

CASTOR—58 dms, Goudrand Shipping Co, Buenos Aires

CINNAMON BARK—4 cs, Polak Frutal Works, Colombo

CINNAMON LEAF—8 dms, Givaudan-Delawanna, Colombo

CITRONELLA—20 dms, Guaranty Trust Co, Batavia
87 dms, National City Bank, Batavia
12 dms, Corn Exchange Bank, Batavia
18 dms, Irving Trust Co, Batavia
58 dms, New York Trust Co, Batavia
58 dms, Chase National Bank, Batavia
39 dms, Guaranty Trust Co, Batavia
14 dms, Nydegger & Co, Batavia
29 dms, Batavia

COCONUT—6 cyls, Welch, Holme & Clark, Colombo
5 cyls, Duncan, Fox & Co, Colombo

COD—90 dms, Canada
70 cks, Canada

COD, INDUSTRIAL—360 dms, Iceland
300 dms, Iceland
937 bbls, Iceland
190 bbls, Iceland

CODLIVER—2,726 dms, Iceland
2,444 dms, Iceland
23 bbls, Iceland

CORN—300 dms, Buenos Aires

COTTONSEED—550 dms, Bank of London South America, Natal

ESSENTIAL—1 cs, Corbett & Co, Fort France
1 cs, Young & Glen, Fort France
1 bbl, W J Bush & Co, Fort France

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

GRAPESEED—259 dms, Buenos Aires

LEMON—3 dms, Corn Exchange Bank, Vera Cruz
10 cs, Wells Fargo Co Express, Vera Cruz

LIME—11 cs, Magnus, Mabee & Reynard, Bombay

LINALOE—3 dms, Irving Trust Co, Vera Cruz

LINSEED, BOILED—25 dms, Buenos Aires

LINSEED, CRUDE—25 dms, Buenos Aires

OITICICA—126 dms, Irving Trust Co, Fortaleza
100 dms, Arnold Darr & Co, Fortaleza
500 dms, National City Bank, Fortaleza
300 dms, S L Jones & Co, Fortaleza
175 dms, Irving Trust Co, Fortaleza
150 dms, Fortaleza
249 dms, S L Jones & Co, Fortaleza
255 dms, Brown Bros Harrimann Co, Bahia
248 dms, W R Grace & Co, Bahia
249 dms, Brown Bros Harrimann Co, Bahia
251 dms, W R Grace & Co, Bahia
248 dms, Bahia

PALM—490 tons, Banque Belge pour l'Etranger, Batavia

PALMAROSA—2 pots, Volkart Bros, Bombay
4 pots, Dodge & Olcott Co, Bombay
2 pots, Givaudan-Delawanna, Bombay
4 pots, Volkart Bros, Bombay
12 cs, Magnus, Mabee & Reynard, Madras

PETITGRAIN—100 cs, W R Grace & Co, Buenos Aires
20 dms, Guaranty Trust Co, Buenos Aires
1 dm, Roure Dupont, Porto Prince

ROSEWOOD—24 dms, Lloyd Braz Line, Bahia
18 dms, Lloyd Braz Line, Bahia

SANDALWOOD—9 cs, Bank of Manhattan, Madras

SHARK LIVER—1 cs, Mysindia Co, Madras

VETIVER—1 dm, Volkart Bros, Bombay

ORRISROOT—82 bls, R H Elmaleh Corp, Fort France
3 bls, I A Levy, Fort France

ORE—2 bgs, Fred Henjes, Jr, Fort France

PAPAIN—11 cs, R J Prentiss & Co, Colombo

PAPRIKA—140 bgs, Manufacturers Trust Co, Lisbon
100 bgs, J Henry Schroeder Banking Corp, Lisbon
20 bgs, Manufacturers Trust Co, Lisbon

PETROLEUM, CRUDE—1 dm, Schuster & Frulle, La Guaira

POPPYSEED—80 bgs, T M Duche & Sons, Bombay
25 bgs, B H Old & Co, Bombay
400 bgs, Ideal Trading Co, Bombay
198 bgs, Catz American Co, Bombay

PORK LIVERS RESIDUE—1 cs, Stanley M Jackson, Havana

QUEBRACHO EXTRACT—600 bgs, International Product Corp, Buenos Aires
70 bdls, Tannin Corp, Buenos Aires

QUININE SULPHATE—10 cs, Chase National Bank, Batavia
50 cs, Guaranty Trust Co, Batavia
50 cs, Guaranty Trust Co, Batavia

RAPESEED—405 bgs, A G Dunn, Buenos Aires

SABADILLA SEED—100 bgs, S B Penick & Co, La Guaira

SAFFRON FLOWERS—1 cs, Brown Bros-Harriman Co, Lisbon
2 cs, S B Penick & Co, Lisbon

SCAMMONY ROOT—190 bgs, Anglo-Portuguese Colonial & Overseas Bank, Vera Cruz

SESAME SEED—160 bgs, O Gerdau Co, Bombay
14 bgs, Stallman Co, Bombay
67 bgs, R T French Co, Bombay

SHELLAC—200 bgs, 50 cs, Ralli Bros, Calcutta
900 bgs, Schwab Bros, Calcutta
100 cs, 300 bgs, Mercantile Import & Export Co, Calcutta
100 bgs, Ding & Schuster, Calcutta
1,500 bgs, A Hurst & Co, Calcutta
75 cs, Cornelis & Suhr, Calcutta
100 cs, 500 bgs, Mac Lac Co, Calcutta
600 bgs, Mantrose Corp, Calcutta
100 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
910 bgs, Wm Zinsser & Co, Calcutta

BUTTON LAC—75 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
50 bgs, Mercantile Import & Export Co, Calcutta

GARNET LAC—50 bgs, Cornelis & Suhr, Calcutta
25 bgs, Mercantile Import & Export Co, Calcutta
40 cs, Wm Zinsser & Co, Calcutta

SEEDLAC—700 bgs, Ralli Bros, Calcutta
600 bgs, Mac Lac Co, Calcutta
200 bgs, Cornelis & Suhr, Calcutta
400 bgs, Mantrose Corp, Calcutta
750 bgs, Wm Zinsser & Co, Calcutta
500 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
50 bgs, Mercantile Import & Export Co, Calcutta
200 bgs, E E Androvette, Calcutta

SOAPSTOCK—118 bbls, Balfour, Guthrie & Co, Buenos Aires
142 bbls, Simola Trading Co, Buenos Aires
121 bbls, Balfour, Guthrie & Co, Buenos Aires

SPONGES—15 bls, New York & Cuba Mail S S Co, Havana
9 bls, Havana
16 bls, American Sponge & Chamois Co, Havana
68 bls, Havana
5 bls, Havana

REFUSE—5 bls, Havana

SQUILL—31 bgs, Corn Exchange Bank, Bombay
173 bgs, Peek & Velsor, Bombay

TALLOW—486 dms, D C Andrews & Co, Buenos Aires
555 tcs, Swift & Co, Buenos Aires
559 tcs, Armour & Co, Buenos Aires
274 bbls, National City Bank, Buenos Aires
549 tcs, Guaranty Trust Co, Buenos Aires
284 bbls, National City Bank, Buenos Aires

TANKAGE—2,032 bgs, Tupmann, Thurlow & Co, Buenos Aires
1,250 cakes, Buenos Aires
11 bgs, Buenos Aires
2,000 bgs, Swift & Co, Montevideo
1,500 bgs, Swift & Co, Rio Grande

TAPIOCA FLOUR—826 bgs, Corn Product Refining Co, Puerto Plata
1 bg, Amaly Corp, Puerto Plata
4,779 bgs, Corn Product Refining Corp, Puerto Plata
2,309 bgs, 2 cs, Corn Product Refining Co, Puerto Plata

TARTAR, CRUDE—301 bgs, Albert Mevi, Buenos Aires
291 bgs, Albert Mevi, Buenos Aires
184 bgs, Standard Brands, Lisbon
415 bgs, Albert Mevi, Lisbon
178 bgs, Standard Brands, Lisbon

THYME LEAVES—68 bls, W E Martin, Fort France

TIMBO ROOT—735 cs, Bahia

TIN OXIDE—1 ck, E I Du Pont de Nemours Co, Buenos Aires

TOLU BALSAM—50 cs, Pan American Export & Import Agency, Barranquilla

TURMERIC—980 bgs, Volkart Bros, Alleppey

FINGERS—240 bgs, H P Winter & Co, Alleppey
960 bgs, Volkart Bros, Alleppey
15 tons, 4 cwt, 1 lb, 4 qrs, Volkart Bros, Alleppey
240 bgs, H P Winter & Co, Alleppey
500 bgs, Volkart Bros, Alleppey
136 bgs, S B Penick & Co, Madras
68 bgs, Jewett & Sherman, Madras
136 bgs, L E Ransom, Madras
68 bgs, McLaughlin, Gormley & King, Madras

VANILLA BEANS—24 cs, Middleton & Co, Basse Terre
16 cs, F Huber & Co, Vera Cruz
49 cs, Middleton & Co, Basse Terre
25 cs, J Manheimer, Vera Cruz
29 cs, J Manheimer, Vera Cruz
WAX, BEES—80 bgs, Smith & Nichols, Santos
24 bgs, D Steengrafe, Havana
33 bgs, Irving Trust Co, Havana
12 bgs, Havana
6 cs, W Russell Howe, Vera Cruz
32 bgs, Havana
20 bgs, D Steengrafe, Havana
100 bgs, Distributing & Trading Co, Buenos Aires
200 bgs, Distributing & Trading Co, Buenos Aires
80 bgs, Wessel, Duval & Co, Santos
11 bgs, Gillespie & Co, Port Prince
13 bgs, Irving Trust Co, Ciudad Trujillo
50 bgs, Irving Trust Co, Ciudad Trujillo
22 bgs, Porcella, Vicini & Co, Puerto Plata
7 seroons, Porcella, Vicini & Co, Puerto Plata
CANDELILLA—762 bgs, M Argueso & Co, Tampico
572 bgs, M Argueso & Co, Tampico
CARNAUBA—55 bgs, Wessel, Duval & Co, Natal
167 bgs, S C Johnson Son, Bahia
56 bgs, W R Grace & Co, Bahia
185 bgs, American Cyanamid & Chem Co, Rio Janeiro
21 bgs, Lenape Trading Co, Rio Janeiro
56 bgs, Wessel, Duval & Co, Rio Janeiro
56 bgs, National City Bank, Rio Janeiro
WINE LEES—916 bgs, Charles Pfizer & Co, Buenos Aires
192 bgs, Lisbon
196 bgs, Lisbon
350 bgs, Lisbon
694 bgs, Charles Pfizer & Co, Buenos Aires
WOLFRAM ORE—610 bgs, East Asiatic Co, Batavia
186 bgs, Wah Chang Trading Corp, Batavia
YEAST—1 cs, Standard Brands, Havana

New York Transit Imports

APRICOT KERNELS — 70 bgs, Imperial Bank of Canada, Karachi, Canada
CANARY SEED—171 bgs, Buenos Aires, Canada
CELERY SEED—142 bgs, H J Heinz Co, Fort France, Pittsburgh
CINNAMON—100 bls, R T French Co, Colombo, Rochester
COTTON LINTERS—340 bls, West Texas Cottonoil Co, Santos, Houston
MEDICINAL PREPS — 30 pkgs, Buenos Aires, Canada
OIL, COTTONSEED — 834,642 kilos, West Texas Cottonoil Co, Santos, Houston
1,124,000 kilos, West Texas Cottonoil Co, Santos, Houston
NEATSFOOT — 110 tcs, Buenos Aires, Canada
QUEBRACHO EXTRACT—800 bgs, International Product Corp, Buenos Aires, Toronto
400 bgs, Tannin Corp, Buenos Aires, Canada
2,430 bgs, Buenos Aires, Canada
600 bgs, Tannin Corp, Buenos Aires, Ontario
2,400 bgs, Tannin Corp, Buenos Aires, Canada
SHELLAC — 200 bgs, Calcutta, Brandford, Ontario
475 bgs, E E Androvette, Calcutta, Montreal
200 bgs, Berry Bros, Calcutta, Detroit
TURMERIC FINGERS—80 bgs, Frank Tea & Spice Co, Alleppey, Cincinnati
VANILLA BEANS—14 cs, Zink & Triest, Vera Cruz, Philadelphia
37 cs, M Cortizas Co, Vera Cruz, Philadelphia
27 cs, M Cortizas Co, Basse Terre, Philadelphia
28 cs, Zink & Triest, Basse Terre, Philadelphia

Baltimore Imports

CHROME ORE — 6,712 tons, Lourenco Marques
COTTONSEED MEAL—65,220 bgs, Santos
IRON ORE—21,500 tons, Bethlehem Steel Co, Cruz Grande
21,800 tons, Bethlehem Steel Co, Cruz Grande
MANGANESE ORE — 7,700 tons, Rio de Janeiro
3,900 tons, Bethlehem Steel Co, Santiago
OIL, COCONUT—1,065 tons, Cebu
FUEL—110,000 bbls, Standard Oil Co of N J, Aruba
QUEBRACHO EXTRACT — 30,593 bgs, Buenos Aires
TANKAGE—2,000 bgs, Montevideo

Boston Imports

BONES RESIDUE—1,117 bgs, Santos
DILLSEED—80 bgs, Stickney & Poor Spice Co, Bombay
GAMBIER—156 cs, E E Androvette, Strait Settlement
OIL, COCONUT—565 tons, Philippine Refining Corp, Manila
608 tons, Philippine Refining Corp, Manila
TURMERIC FINGERS — 272 bgs, Volkart Bros, Alleppey

Los Angeles Imports

AMMONIA PHOSPHATE—2,200 bgs, 200,000 lbs, Trail
CHEMICAL SALT—4,500 lbs, Japan
6,000 lbs, Yokohama
COCONUT DESIC—83,000 lbs, Manila
505 bgs, 55,550 lbs, Manila
COPRA MEAL—12,580 bgs, Manila
FISH LIVERS—127 tins, 5,080 lbs, Japan
GLASS, WINDOW, COLORED—1,280 lbs, Newcastle-on-Tyne
GUM COPAL—330 baskets, 58,000 lbs, D E I
178 baskets, 33,600 lbs, Macassar
LIME—2,202 bgs, 131,900 lbs, Canada
MACE—15 cs, 2,320 lbs, D E I
MEDICINAL PREPS—30 lbs, Tokio
NUTMEGS—240 cs, 33,860 lbs, D E I
OIL, COCONUT—604,800 lbs, Manila
PALM—1,131,200 lbs, Medan
PEPPER—225 bgs, 34,200 lbs, Batavia
SESAME SEED—125 pkgs, 20,080 lbs, Shanghai
SOAP, TOILET—160 lbs, Tokio
TAPIOCA FLOUR—54,780 lbs, Batavia
100 bgs, 21,920 lbs, Sourabaya
TOILET PREPS—120 lbs, Tokio

New Orleans Imports

FRUIT DUSTER—1 ton, Santa Marta
GUM CHICLE—47 tons, Belize

Norfolk Imports

QUEBRACHO EXTRACT—900 bgs, International Product Corp, Buenos Aires
3,300 bgs, International Product Corp, Buenos Aires
1,500 bgs, International Product Corp, Buenos Aires
SHELLAC—100 bgs, Ralli Bros, Calcutta
500 bgs, Gillespie Rogers Pyatt Co, Calcutta
TANKAGE—4,000 bgs, Swift & Co, Rio Grande

Philadelphia Imports

BAUXITE ORE—3,020 tons, General Chemical Co, Trinidad
BERRYLLIUM ORE—1,060 bgs, Buenos Aires
BONE GRIST—1,334 bgs, Philadelphia National Bank, Buenos Aires
CHROME ORE—6,000 tons, New Caledonia
MOLASSES—1,024,798 gls, E I Du Pont de Nemours & Co, La Romana
381,352 gls, E I Du Pont de Nemours & Co, San Pedro de Macoris
1,365,721 gls, Publicker Alcohol Corp, Pastelillo
OIL, FUEL—80,721 bbls, Socony Vacuum Trans Co, Aruba
PETROLEUM, CRUDE—120,059 bbls, Gulf Oil Corp, Puerto la Cruz
89,371 bbls, Gulf Oil Corp, Las Piedras
62,000 bbls, Atlantic Refining Co, Las Piedras
SOAPSTOCK—118 bbls, Buenos Aires
TAPIOCA FLOUR—600 bgs, Guaranty Trust Co, Tjilatjap

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York
Two Weeks Ended June 4

Almonds, bitter, 25 bags; restricted use.
Cassia oil, 43 drums; not U.S.P.
Coriander seed, 2,500 bags; filthy.
Cod oil, 90 drums; restricted use.
Cubebs, 16 bags; not N.F.
Cumin seed, 377 bags; filthy.
Medicinal preparations, 3 parcels, 1 case; dangerous drug.
Medicinal preparation, 1 case; not properly labeled; dangerous drug.
Medicinal preparation, 1 parcel; new drug.
Mineral water, 14 cases; polluted.
Nutmegs, 656 bags; restricted use.
Sage leaves, 90 bags; excessive stems.
Sesame seed, 100 bags; filthy.
Stramonium leaves, 14 bales; not U.S.P.

Boston
Two Weeks Ended June 4

Medicinal preparation, 1 package; not properly labeled.
Turmeric, 112 bags; insect infested.

Baltimore
Week Ended June 4

Fertilizer mixture, 65,220 bags; restricted use.

San Francisco
Week Ended May 29

Medicinals, 51 pieces; false therapeutic claims.

Los Angeles
Week Ended May 29

Shark livers, 37 cans; decomposed.

Seattle
Week Ended May 29

Medicinals, 144 pieces; false therapeutic claims.

Exports from U. S. Ports

Los Angeles Exports

ACETONE—1,790 lbs, Hongkong
ACID, BORIC—294 bgs, 32,930 lbs, Sydney
ALCOHOL, METHYL—1,560 lbs, Hongkong
ALLSPICE—640 lbs, Mollendo
AMYL ACETATE—2,230 lbs, Hongkong
ASBESTOS—1,260 lbs, Parramatta
ASPHALT—245 dms, 98,400 lbs, Bangkok; 1,028 bbls, 432,000 lbs, Sydney
BLACK, CARBON—120 lbs, Hongkong
BORAX—5,000 bgs, 560,000 lbs, Liverpool; 722 bgs, 80,860 lbs, Sydney
BUTYL ACETATE—7,220 lbs, Hongkong
CALCIUM, CITRATE—1,200 bgs, 120,000 lbs, Sydney
CATTLE HOOFS—1,000 bgs, 100,000 lbs, Osaka
CEMENT COMP—10 lbs, Richmond
CHALK, POWD—100 lbs, Auckland
CLAY—800 bgs, 40,000 lbs, Barranquilla; 1,000 bgs, 100,000 lbs, Gisbourne
FILTERING—1,000 bgs, 44,000 lbs, Manila; 400 bgs, 18,000 lbs, Auckland
CLEANSER—510 lbs, Shanghai
DEXTRIN—7,500 lbs, Auckland
DIATOMACEOUS EARTH—10 bgs, 1,000 lbs, Singapore
DRUGS, BOTANICAL—70 lbs, Auckland
HOMEOPATHIC—4 lbs, Mexico City
ETHYL ACETATE—4,490 lbs, Hongkong
GASOLINE—43,523 bbls, 11,359,500 lbs, Balboa; 30,962 bbls, 8,081,080 lbs, Coco Solo; 13,356 bbls, 3,485,920 lbs, Tokio
GREASE—85 pkgs, 9,880 lbs, Manila; 60 pkgs, 13,210 lbs, Auckland
HAND—3 ctns, 100 lbs, Manila
GUM, CHICLE—9,960 lbs, Auckland
IRON OXIDE—600 lbs, Parramatta
KALSOMINE—155 kegs, 15,500 lbs, Manila
KEROSENE—5,511 bbls, 1,570,640 lbs, Balboa
LACQUER—3,870 lbs, Manila; 570 lbs, Bangkok; 610 lbs, Hongkong
FURNITURE—11,880 lbs, Hongkong
THINNER—960 lbs, Manila; 620 lbs, Hongkong
LARD, SUBS—1,500 lbs, Manila
MEDICINAL PREPS—1 lb, Mexico City; 260 lbs, Sydney
METHYL CHLORIDE—180 lbs, Shanghai; 880 lbs, Hongkong
OIL, ALMOND—150 lbs, Auckland
COTTONSEED—9,200 lbs, Menado
DIESEL—49,472 bbls, 15,435,260 lbs, Yokohama; 74,635 bbls, 23,286,120 lbs, Tsurumi
ESSENTIAL—10 lbs, Auckland
FUSEL—4 pkgs, 1,510 lbs, Osaka
LEMON—780 lbs, Melbourne; 70 lbs, Auckland; 500 lbs, Wellington
LUBRICATING—1000 bbls, Tientsin; 250 bbls, 105,920 lbs, Shanghai; 20 dms, 10,000 lbs, Singapore; 189 pkgs, 60,530 lbs, Manila; 311 pkgs, 38,800 lbs, Auckland
ORANGE—200 lbs, Manila; 1,580 lbs, Melbourne; 5 lbs, Auckland
ORANGE, DIST—1,150 lbs, Auckland; 1,500 lbs, Wellington
PALM, FLAKE—625 bgs, 10,000 lbs, Manila; 1,377 bgs, 220,320 lbs, Puerto Cabello; 2,000 bgs, 260,000 lbs, Manila
PEPPERMINT—800 lbs, Auckland
SALAD—10,400 lbs, Manila
SPEARMINT—400 lbs, Auckland
OXIDIZING AGENT—3,300 lbs, San Jose; 14,850 lbs, Rangoon
PAINT—330 lbs, Hongkong
OIL BASE—50 lbs, Mexicali
PECTIN CITRUS—1,800 lbs, Sydney
PETROLEUM, COKE RESID—3,588,000 lbs, Santa Rosalia
CRUDE—60,003 bbls, 18,720,940 lbs, Tokio
GAS, LIQ—3,080 lbs, Manila
PUTTY—8,000 lbs, Balboa
GLAZING—2,150 lbs, Manila
ROSIN, SYNTH—480 lbs, Bogota; 80 lbs, Sydney
SOAP, FLAKE—40 lbs, Santa Rosalia
SODA, CAUSTIC—83 dms, 33,070 lbs, Yokohama
HYPOSULPHITE—700 lbs, Singapore
SULPHITE—420 pkgs, 31,360 lbs, Singapore; 650 pkgs, 47,600 lbs, Penang; 100 pkgs, 8,400 lbs, Malacca; 250 pkgs, 16,800 lbs, Port Swettenham
SOLVENTS—200 lbs, Auckland
STARCH, LAUNDRY—540 lbs, Tutuila
SULPHUR DIOXIDE—150 lbs, Shanghai; 450 lbs, Manila
TALC—90 bgs, 9,000 lbs, Caracas
TOILET PREPS—1,800 lbs, Cristobal; 1,050 lbs, Quito; 520 lbs, Port au Prince; 330 lbs, Havana
VITAMIN PREP—1,520 lbs, Sydney
WASHING COMP—300 lbs, Tutuila
ZINC OXIDE—120 bgs, 12,000 lbs, Auckland

New Orleans Exports

ACID, STEARIC—10 tons, Havana
ASPHALT—12 tons, West Coast South America
CASEIN—8 tons, Vera Cruz
CHEMICALS—7 tons, Vera Cruz
CINNAMON—16 tons, Vera Cruz
KEROSENE—7 tons, Puerto Cabezas; 2 dms, Ceiba
LARD—14 tons, Santiago; 72 tons, Havana; 44 tons, Puerto Limon; 68 tons, Cristobal; 16 tons, West Coast South America; 11 tons, Vera Cruz
OIL, DIESEL—85 tons, Ceiba; 71 tons, Puerto Cabezas
FUEL—205 tons, Ceiba
LUBRICATING—10 tons, Ceiba
PARAFFIN—16 tons, Santiago; 31 tons, Cristobal; 10 tons, Barranquilla; 45 tons, West Coast South America
ROSIN—14 tons, Cristobal; 10 tons, West Coast South America
GUM—11 tons, Barranquilla; 36 tons, Cartagena
WOOD—45 tons, Havana
SALT—161 tons, Havana
SOAP—12 tons, Puerto Cabezas
SODA, CAUSTIC—226 tons, Vera Cruz
STRUP—20 tons, Vera Cruz
TURPENTINE—17 tons, West Coast South America
WAX—85 tons, Vera Cruz

Philadelphia Exports

ACETATE—10 dms, Shanghai
ACID, HYDROCHLORIC—1 crby, Manila
NITRIC—1 bx, Manila
SULPHURIC—2 crbys, Manila
ALCOHOL—3 dms, Shanghai
ALUMINA SULPHATE—300 bbls, Manila
CHEMICALS—1 bx, Manila
ETHER—1 bx, Manila
GREASE—25 dms, Penang; 20 dms, Hongkong; 10 cs, Sibolga
OIL, LUBRICATING—14 dms, Manila; 1,000 crtns, Singapore; 777 dms & 635 cs, Port Swettenham; 133 pkgs, & 167 cs, Memado; 575 dms, 525 cs, & 5 bbls, & 3,180 pkgs, Batavia; 75 bbls, & 1 cs, Shanghai; 230 dms, & 103 cs, Hongkong; 522 dms, & 630 cs, Penang; 70 pkgs, Macassar; 1,376 pkgs, Palembang
PAINT—1,265 crtns, & 100 dms, Manila
PARAFFIN—510 bgs, Shanghai; 500 bgs, Hongkong
VARNISH—10 crtns, Manila

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—13,840 bbls, Seattle; 17,669 bbls, Seattle; 3,374 bbls, San Diego; 2,416 bbls, San Diego; 1,416 bbls, San Diego; 2,192 bbls, San Diego; 25,524 bbls, Portland; 59,700 bbls, Portland; 2,224 bbls, San Diego; 4,340 bbls, San Diego
OIL, DIESEL—5,522 bbls, Seattle; 30,177 bbls, Portland; 5,464 bbls, Portland; 16,000 bbls, Portland; 1,453 bbls, San Diego
FUEL—63,751 bbls, Avon; 56,162 bbls, Portland; 68,492 bbls, Richmond; 54,606 bbls, Willbridge
FURNACE—7,725 bbls, Portland; 7,241 bbls, Portland

Export Tolerances Setup By Control Administrator

—Continued from page 3

because they are improperly filled out. A wide variety of errors are made by exporters, but it is declared that all of them could be eliminated by careful observance of the printed instructions.

Among the changes in regulations carried in the new pamphlet issued by the Administrator is a set of instructions to Collectors of Customs setting up tolerances which permit the exportation of shipments which vary in weight, volume or value from the figures shown in the license. These instructions read:—

When there is a discrepancy in weight or volume between the amount shown on an export license and the amount which it is desired to export, any question of the proper tolerance to be allowed and the proper manner of reporting such tolerance will be determined in accordance with the following:

a. For all articles and materials requiring export license, a ten percent (10 percent tolerance by weight or volume over the amount specified on the license is allowed, except as noted below:—
   Pharmaceuticals and finished drugs, 1%
   Platinum and platinum group metals, 1%
   Industrial diamonds, nearest carat
   Radium and radium salts, nearest 100 milligrams
   Uranium and uranium salts, nearest 100 milligrams.
b. This tolerance shall be allowed only when the unit of quantity called for on the license application is in terms of weight or volume and shall not be allowed where the unit of quantity called for is in terms of number of units.
c. In all cases the tolerance shall be allowed on the basis of the actual quantity stated. The following are examples of this interpretation:—
   (1) If the quantity shown on the license is "100,000 pounds," not more than 110,000 pounds may be exported.
   (2) If the quantity shown on the license is "100,000 pounds, 10 percent more or less," not more than 110,000 pounds may be exported.
   (3) If the quantity shown on the license is "approximately 100,000 pounds." not more than 110,000 pounds may be exported.
d. When there is a discrepancy in weight or volume within the tolerance allowance between the amount shown on the license and the amount actually shipped, the amount actually shipped shall be noted on the license by the Collector of Customs at the final port of exit before returning the license to the Division of Controls, Department of State.
e. When the amount shipped is less than the amount stated on the license, the amount actually shipped shall be noted on the license by the collector of customs at the final port of exit before returning the license to the Division of Controls, Department of State.
f. In the case of partial shipments the tolerance allowed shall be included with the last shipment. The tolerance in such cases is ten percent (10 percent), except as noted, of the gross amount licensed for export.
g. A tolerance of ten percent (10 percent) in value over the value specified on the license is allowed on all shipments.

Universal Ink & Adhesive Company is the firm name under which W. L. McClure has obtained a certificate to conduct business at 1136 East Sixtieth street, Los Angeles, Calif.

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PETROLATUM, white oils and waxes tonnage required. Would be interested in selling output for company on a sales agency basis, or in a partner to finance new plant. BOX 234, Oil, Paint and Drug Reporter.

Equipment Offered

FILTER BAGS—We make up all sizes, types and materials of filter bags or small canvas articles for the paint and chemical trades. Large production and quick delivery. Send us your samples for quotation. BOX 138, Oil, Paint and Drug Reporter.

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

SPECIALS:—Ten ball and pebble mills, lab. to 700 gals.; three 12 in. x 32 in. 5 roller mills, motor driven; Pony mixers, lab. to 40 gals.; stone mills, lab. to 26 in., with iron mill feeds; Day jumbo 700 gal. jacketed mixer; four 40 in., 48 in. and 60 in. Tolhurst centrifugals, steel and rubber lined; thirty filter presses, 12 in. to 36 in., iron, wood and bronze; powder mixers, 100 to 1,000 lbs.; three Sweetland filters, No. 5, No. 7, No. 10; copper and aluminum kettles, 10 to 250 gals.; ten dryers, vacuum shelf, rotary, etc. Send for complete bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

JAR AND PEBBLE mills—new and used. New 1 gal.-4 gal. jar mills; used 36x42 silex lined pebble mill; 50 gallon dough mixer; radojets with inter condensors; storage tanks—8 ft. x 30 ft., 8 ft. x 27 ft., and 6 ft. x 25 ft. x ½ in. Lawler Company, Metuchen, N. J.

FOR IMMEDIATE delivery:—Sharples No. 6 super centrifuge stainless steel bowl; Bird extractor, 40 in. aluminum basket MD; Mikro pulverizer, 24 in. MD; 60 and 125 gallon aluminum kettles; Kiefer mono-scale filler. What have you for sale? Send us your inquiries. Machinery & Equipment Corp., 59 E. 4th street, New York City.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 224, Oil, Paint and Drug Reporter.

Equipment Wanted

MERCERIZING RANGE — One 60 foot, complete outfit; one Schreiner calender, 3 roll, hydraulic, both used and in good condition. Please give full particulars. BOX 236, Oil, Paint and Drug Reporter.

Factories Offered

MODERN PLANT, 16,500 sq. ft., modern concrete, one, two-story building, 19 storage tanks, total capacity 340,000 gallons, pipe lines, pumps, railroad siding, yard. New Jersey near New York City. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Materials Offered

FOR SALE:—400 pounds scheelite; 100 tons rhodocrosite; 1,000 pounds ferro-uranium; 200 pounds ferro-boron; 100 pounds beryllium oxide; 5 tons tungsten grindings, 10 percent; 2,000 pounds titanium-trichloride; 1,000 pounds iron carbonyl. BOX 229, Oil, Paint and Drug Reporter.

PAINT:—63 five-gallon drums finest quality, outside white paint. Liquidating inventory, formerly sold at $3.45 per gallon. Will accept any reasonable offer, f.o.b. New York. Pennotex Oil Corporation, 29 Broadway, New York, N. Y.

LIGHT BLOOD albumen flakes for sale. Several thousand pounds No. 2 grade; will sell part or all of lot. Write for samples. L. B. Miller, 529 South Franklin street, Chicago, Ill.

WANT OFFER 3,000 lbs. carnauba wax (mixture other waxes); 3,000 lbs. candelilla wax; 250 lbs. licorice root. Samples on request. Immediate delivery, New York. BOX 240, Oil, Paint and Drug Reporter.

Materials Wanted

WILL BUY job lots aluminum lining bronze, 325 mesh or finer. Submit samples and quotations. Pope & Gray, Inc., 95 Morton street, New York City.

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Materials Wanted

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

WILL PURCHASE metallic residues. Please state quantities. BOX 231, Oil, Paint and Drug Reporter.

WE WILL buy any quantity surplus chemicals, dyes, oils, waxes and other affiliated products. Send us your offerings. Mackley Trading Co., 1261 Broadway, New York. Tel. LExington 2-5821.

Plant Wanted

PAINT and varnish factory, medium-sized, wanted to purchase, or to rent space suitable for paint and varnish manufacture. BOX 230, Oil, Paint and Drug Reporter.

Positions Vacant

PAINT CHEMIST familiar with Federal specifications, to one capable of taking entire charge of a moderate size paint and varnish plant, our proposition will be interesting. To obtain interview, give full detailed information regarding your previous positions, age, etc., in full confidence. BOX 233, Oil, Paint and Drug Reporter.

CHEMIST WANTED with experience in disinfectants. State qualifications, also other experience, and salary expected. All information held strictly confidential. BOX 238, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMICAL ENGINEER, 38, engaged in technical sales work, has 15 years' background in research, production, supervision, and sales in chemical and allied industries. Open for new connection. Locate anywhere. BOX 218, Oil, Paint and Drug Reporter.

PRODUCTION MAN—Thorough knowledge manufacture of true fruit and artificial flavoring extracts; fruit juices; baker's, confectioner's, bottler's, soda fountain, institutional supplies and specialties. Can match and improve products; instruct salesmen. Location immaterial. BOX 221, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST, B.S., candidate for M.S., six years' experience in use and application of paints. Thorough organic, inorganic, analytical and physical background. References. Class 3 in Local Draft Board. BOX 227, Oil, Paint and Drug Reporter.

CHEMIST, B.S., M.S. candidate, 5 years' pharmaceutical, analytical and plant experience; some cosmetic experience. Thorough chemical and pre-medical background. Knowledge of natural and synthetic medicinals. Married. References. Available immediately. BOX 228, Oil, Paint and Drug Reporter.

DYESTUFF-CHEMIST and textile colorist, familiar with both industrial practice and theory. Dr. Ph., etc. Roman Catholic, 62. Speaks English, French, German, Spanish, Polish, Russian. Seeks any position. BOX 232, Oil, Paint and Drug Reporter.

PLANT and research chemist with thirty years' experience in manufacture of special lubricants is open for proposition. His experience covers the fields of greases, technical soaps and allied products, and the economical utilization of refinery by-products and their application by manufacturing consumers. BOX 235, Oil, Paint and Drug Reporter.

EXECUTIVE—Familiar with sources of supply of industrial chemicals, raw materials, etc., with extensive experience in purchasing and sales work and good producer and consumer contacts open for position. BOX 237, Oil, Paint and Drug Reporter.

ORGANIC and analytical chemist (Ph.D., 1934). Five years director of pharmaceutical laboratory. Friedel-crafts and sulfonamide syntheses. Pharmaceutical control and assay method development. Successful Federal Drug citation work. Label and pamphlet preparation. Married. Age 30. BOX 239, Oil, Paint and Drug Reporter.

POSITION WANTED in chemical industry by man with technical and sales experience. Resident New York City. Will travel or locate anywhere. Sales promotion work, correspondence or purchasing preferred. BOX 241, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

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1—6 in. Spray type jet condenser, like new
1—6 x 7 x 8 Steam driven wet vac. pump, like new
1—No. 50 Vert. Oliver pressure filter
1—8 x 8 Belt driven Bury air compressor, like new
1—4 in. Belt driven cent. pump
1—2½ in. Belt driven cent. pump
1—1½ in. Belt driven cent. pump
1—2 in. Cent. pump close coupled to 2 HP 60 cyc. motor
1—2 in. Cent. pump direct connected to 10 HP 60 cyc. motor.
1—Figure 3605 4 in. Gould's cent. pump extended base for motor-fitted with Ni-resist and stainless steel for hot alkali
1—30 in. diam. x 36 in. deep welded steel steam jacketed kettle
1—4000 lb. Toledo elec. propelled traveling hopper scale.

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1—6' underdriven Putty Chaser, double rollers.
12—Ball Mills, 10 gal. to 500 gal.
1—Oliver 5 ft. x 12 ft. Rotary Continuous acid proof Filter.
2—Dopp Jacketed Kettles—500, 650 gals.; other smaller sizes.
1—No. 10 Sweetland Filter, 2" ea.; others all sizes.
14—Centrifugal Extractors, 16" to 60".
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Oxford Laboratories is the firm name under which Georgia B. Hager has obtained a certificate to conduct business at 253 South Oxford avenue, Los Angeles, Calif.

Nitrogen Fertilizer Marketing Regulated

—Continued from page 58

If the general plan is approved, thereafter each request for specific action in carrying out such plan shall be made in writing and shall be approved by the Office of the General Counsel of the Office of Production Management or the office of the General Counsel of the Office of Price Administration and Civilian Supply, but need not be submitted to the Department of Justice. In the case of any change in the personnel of such offices or if serious practical difficulties arise, this latter arrangement may be revoked upon notice from me.

Acts done in compliance with the specific requests made by the Office of Production Management or the Office of Price Administration and Civilian Supply and approved by their General Counsel in accordance with the procedure described in this letter will not be viewed by the Department of Justice as constituting a violation of the antitrust laws and no prosecutions will be instituted for acts performed in good faith and within the fair intendment of instructions given by the Office of Production Management or the Office of Price Administration and Civilian Supply pursuant to this procedure.

In the case of all plans or procedure, however, the department reserves complete freedom to institute civil actions to enjoin the continuing of acts or practices found not to be in the public interest and persisted in after notice to desist.

Pfeiffer Chemical Company is the firm name under which Richard Carl Pfeiffer has obtained a certificate to conduct business at 719 Inglewood avenue, Inglewood, Calif.

Fish Meal Plant Razed

Lewes, Del., June 2, 1941

A fire of undetermined origin last week razed the Fish Meal Company plant here, causing a loss estimated at from $40,000 to $50,000. The plant is one of a string operated along the Atlantic Coast by Howard Smith. The factory will be restored as soon as possible.

Davison Chemical Corporation, sulphuric acid and superphosphate manufacturer, Baltimore, has named John E. Semmes to the directorate, to succeed M. C. Roop, resigned.

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